STR-DE845/DE945

SERVICE MANUAL

US Model
Canadian Model
STR-DE845/DE945

E Model
Australian Model
Chinese Model
PX Model
STR-DE845

Photo: STR-DE945

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 110 watts (STR-DE945) and 100 watts (STR-DE845) per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output (USA model only).

Amplifier section

POWER OUTPUT
Models of area code U, CA
Rated Power Output at Stereo Mode

(8 ohms 20 Hz – 20 kHz, THD 0.09 %)
STR-DE945: 110 W + 110 W
STR-DE845: 100 W + 100 W

Reference Power Output
(8 ohms 1 kHz, THD 0.7 %)
STR-DE945: FRONT[1]: 110 W + 110 W
CENTER[1]: 110 W
REAR[1]: 110 W + 110 W
STR-DE845: FRONT[1]: 100 W + 100 W
CENTER[1]: 100 W
REAR[1]: 100 W + 100 W

Models of other area code
STR-DE845:
Rated Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7 %)
100 W + 100 W[2]
90 W + 90 W[3]

Reference Power Output
(8 ohms 1 kHz, THD 0.7 %)
FRONT[1]: 100 W + 100 W
CENTER[1]: 100 W
REAR[1]: 100 W + 100 W
(8 ohms 20 Hz – 20 kHz, THD 0.09 %)
FRONT[1]: 95 W + 95 W
CENTER[1]: 95 W
REAR[1]: 95 W + 95 W
(8 ohms 1 kHz, THD 10 %)
FRONT[1]: 135 W + 135 W
CENTER[1]: 135 W
REAR[1]: 135 W + 135 W

1) Depending on the sound field settings and the source, there may be no sound output.
2) Measured under the following conditions:

Area code	Power requirements
AU, E	240 V AC, 50 Hz
CN, SP	230 V AC, 50 Hz

3) Measured under the following conditions:

Area code	Power requirements
CN	220 V AC, 50 Hz

Frequency response
PHONO: RIAA equalization curve ±0.5 dB
CD, TAPE, MD / DAT, MD / TAPE, DVD / LD, TV / SAT, VIDEO 1, 2, and VIDEO 3: 10 Hz – 50 kHz +0.5 / –2 dB (with sound field, equalizer, and bass boost bypassed)

Inputs (Analog)
PHONO:
Sensitivity: 2.5 mV
Impedance: 50 kilohms
S / N[4]: 86 dB
(A, 2.5 mV[5])
5.1CH INPUT, CD, TAPE, MD / DAT, MD / TAPE, DVD / LD, TV / SAT, VIDEO 1, 2, and VIDEO 3:
Sensitivity: 150 mV
Impedance: 50 kilohms
S / N[4]: 96 dB
(A, 150 mV[5])

4) INPUT SHORT
5) Weighted network, input level

Inputs (Digital)
DVD / LD IN(Coaxial):
Sensitivity: –
Impedance: 75 ohms
S / N: 100 dB
(A, 20 kHz LPF)
DVD / LD IN, TV / SAT IN, MD / DAT IN (Optical):
Sensitivity: –
Impedance: –
S / N: 100 dB
(A, 20 kHz LPF)

Outputs
TAPE, MD / DAT, MD / TAPE; VIDEO 1, 2 (AUDIO OUT):
Voltage: 150 mV,
Impedance: 1 kilohms
SUB WOOFER:
Voltage: 2 V
Impedance: 1 kilohms
PHONES:
Accepts low- and high-impedance headphones

BASS BOOST +6 dB at 70 Hz

Sampling Frequency
48 kHz

EQ
BASS:
100 Hz~1.0 kHz
(21 steps)
MID:
500 Hz~5.0 kHz
(21 steps)
TREBLE:
1.0 kHz~10 kHz
(21 steps)
Gain levels:
±10 dB, 1 dB step

– Continued on next page –

FM STEREO/FM-AM RECEIVER

SONY®

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals
75 ohms, unbalanced

Sensitivity Mono: 18.3 dBf, 2.2 µV / 75 ohms
Stereo: 38.3 dBf, 22.5 µV / 75 ohms

Usable sensitivity
11.2 dBf, 1 µV / 75 ohms

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz
Mono: 0.3%
Stereo: 0.5%

Separation 45 dB at 1 kHz

Frequency response
30 Hz – 15 kHz
+0.5 / –2 dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range
Models of area code U, CA
With 10-kHz tuning scale:
530 – 1710 kHz[6)]
With 9-kHz tuning scale:
531 – 1710 kHz[6)]
Models of area code AU, CN, SP
With 9-kHz tuning scale:
531 – 1602 kHz
Models of area code E
With 10-kHz tuning scale:
530 – 1610 kHz[6)]
With 9-kHz tuning scale:
531 – 1602 kHz[6)]

Antenna Loop antenna

Usable sensitivity
50 dB / m (at 1,000 kHz or 999 kHz)

S/N 54 dB (at 50 mV / m)

Harmonic distortion
0.5 % (50 mV / m, 400 kHz)

Selectivity At 9 kHz: 35 dB
At 10 kHz: 40 dB

6) You can change the AM tuning scale to 9 kHz ⟷ 10 kHz. After tuning in any AM station, turn off the receiver. Hold down the TUNING + button and press the I/⏻ button. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs Video: 1 Vp-p 75 ohms
S-video:
Y: 1 Vp-p 75 ohms
C: 0.286 Vp-p 75 ohms

Outputs Video: 1 Vp-p 75 ohms
S-video:
Y: 1 Vp-p 75 ohms
C: 0.286 Vp-p 75 ohms

General

System Tuner section:
PLL quartz-locked digital synthesizer system
Preamplifier section:
Low-noise NF type equalizer
Power amplifier section:
Pure-complementary SEPP

Power requirements
Models of area code U, CA
120 V AC, 60 Hz
Models of area code CN, SP
220 – 230 V AC, 50 / 60 Hz
Models of area code AU
240 V AC, 50 Hz
Models of area code E
120 / 220 / 240 V AC, 50 / 60 Hz

Power consumption
Models of area code U
STR-DE945: 290 W
STR-DE845: 280 W
Models of area code CA
STR-DE945: 345 VA
STR-DE845: 335 VA
Models of area code CN, SP
STR-DE845: 220 W
Models of area code AU
STR-DE845: 230 W
Models of area code E
STR-DE845: 320 W

AC outlets
Models of area code U, CA
2 switched, total 120 W / 1A
Models of area code AU, SP
1 switched, total 100 W
Models of area code E, CN
2 switched, total 100 W

Dimensions 430 × 158 × 378 mm (17 × 6 1/4 × 15 in.) including projecting parts and controls

Mass (Approx.)
10.3 kg (22 lb 12 oz)

Supplied accessories
- FM wire antenna (1)
- AM loop antenna (1)
- LR6 (size-AA) alkaline batteries (3)

Models of area code U, CA only
- Audio / video / control S connecting cord (1)
- Control S connecting cord (1)

STR-DE945 only
- Remote commander RM-LJ304 (remote) (1)

STR-DE845 only
- Remote commander RM-LP204 (remote) (1)

Design and specifications are subject to change without notice.

- Abbreviation
AU : Australian model
CA : Canadian model
CN : Chinese model
MY : Malaysia model
SP : Singapore model
U : US model

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

与安全有关的零部件须知

在原理图上用阴影及 ⚠ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

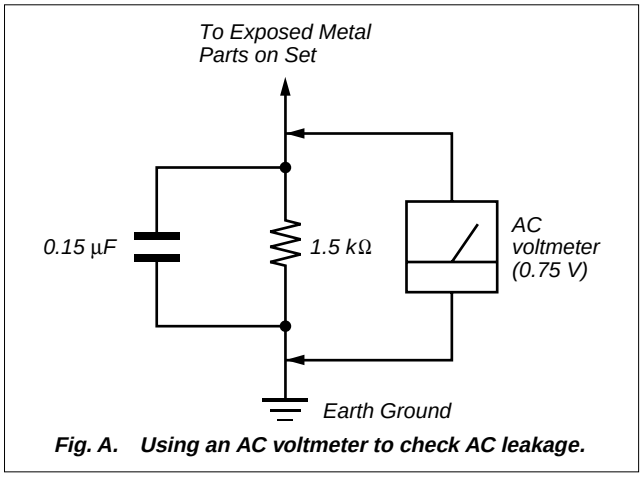
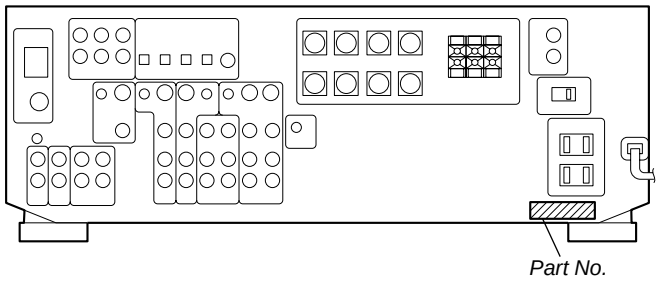


Fig. A. Using an AC voltmeter to check AC leakage.

MODEL IDENTIFICATION

– Rear View –



Model	Part No.
DE945: US model	4-226-871-0☐
DE945: Canadian model	4-226-871-1☐
DE845: US model	4-226-871-3☐
DE845: Canadian model	4-226-871-4☐
Malaysia and Singapore models	4-226-871-5☐
Chinese model	4-226-871-6☐
Australian model	4-226-871-7☐
E and PX models	4-226-871-8☐

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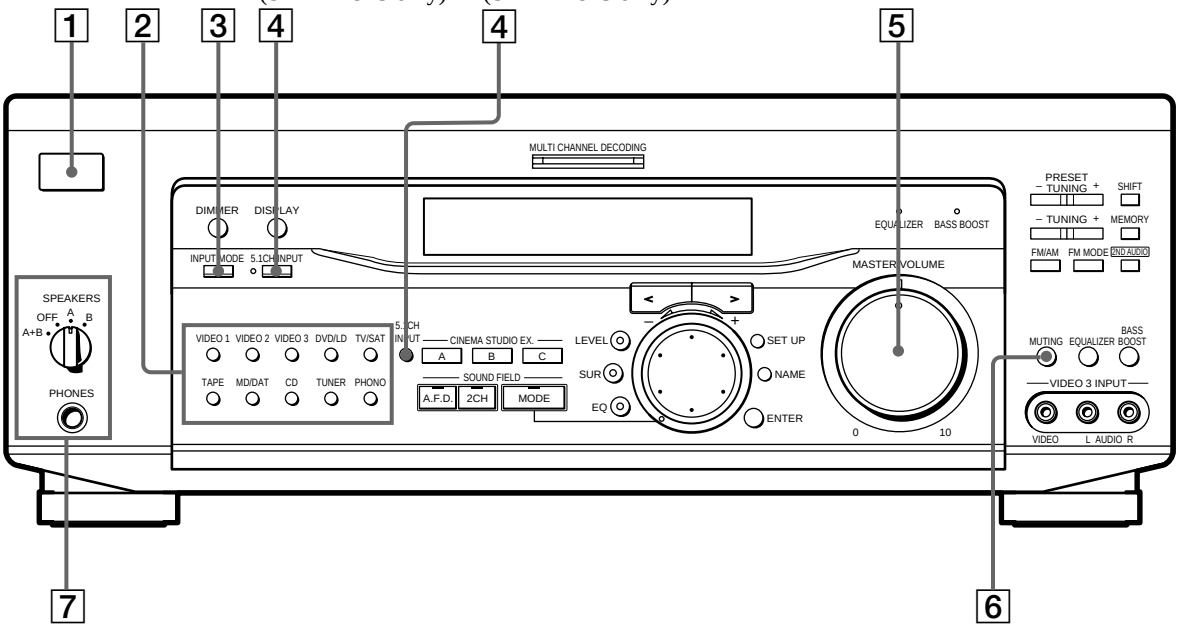
SECTION 1
GENERAL

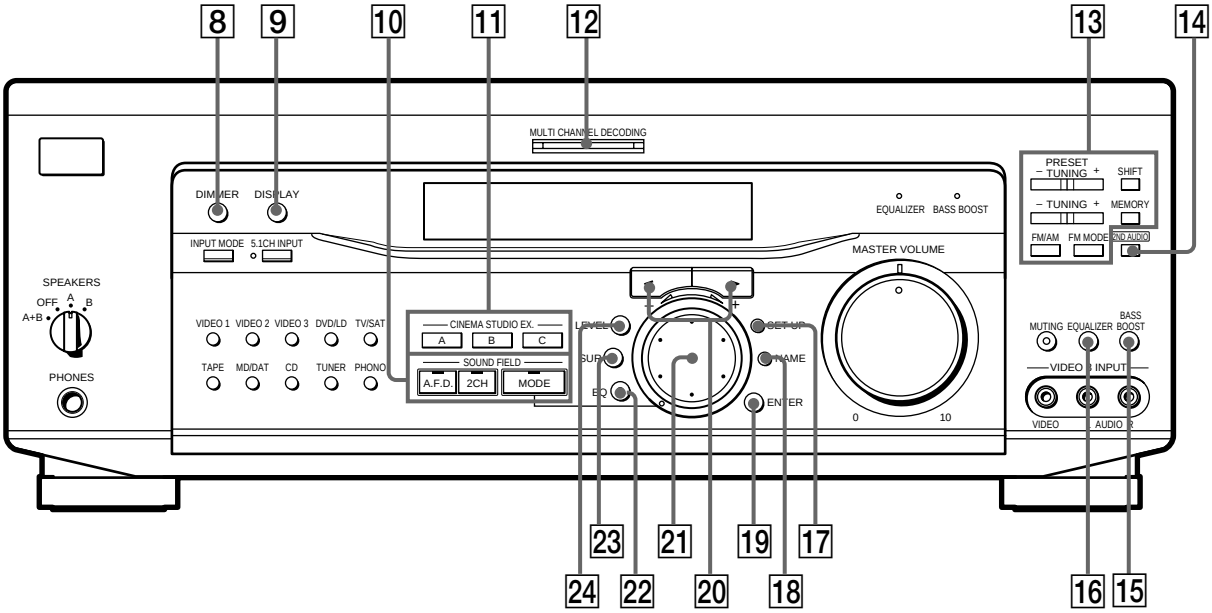
Location of controls

– Front view –

(STR-DE945 only) (STR-DE845 only)

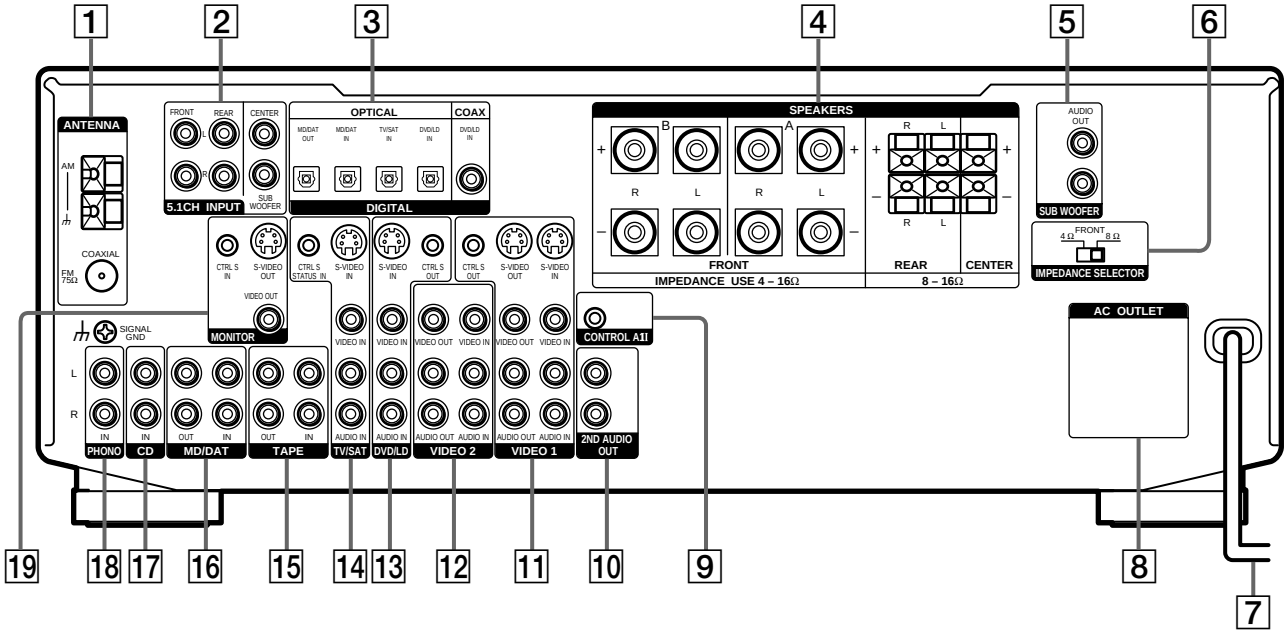


1 I/⏻ button
2 Function Buttons
3 INPUT MODE button
4 5.1CH INPUT button
5 MASTER VOLUME control
6 MUTING button
7 SPEAKERS button
PHONE jack



8 DIMMER button
9 DISPLAY button
10 A. F. D button/indicator
2CH button/indicator
MODE button/indicator
11 CINEMA STUDIO EX. A – C buttons
12 MULTI CHANNEL DECORDING indicator
13 PRESET TUNING +/– buttons
SHIFT button
TUNING +/– buttons
FM/AM button
FM MODE button
14 2ND AUDIO button (STR-DE945)
15 BASS BOOST button
16 EQUALIZER button
17 SET UP button
18 NAME button
19 ENTER button
20 cursor buttons (</>)
21 Jog dial
22 EQ button
23 SUR button
24 LEVEL button

– Rear View –

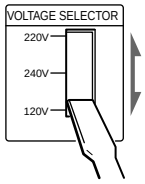


1 ANTENNA terminal
2 5.1CH INPUT jack
3 DIGITAL jack
  OPTICAL jack
  COAX jack
4 SPEAKERS terminal
  FRONT (A/B) terminal
  REAR terminal
  CENTER terminal
5 SUB WOOFER jack
6 IMPEDANCE SELECTOR switch
7 AC POWER cord
8 AC OUTLET
9 CONTROL A1II jack
10 2ND AUDIO OUT jack
11 VIDEO 1 jack
12 VIDEO 2 jack
13 DVD/LD jack
14 TV/SAT jack
15 TAPE jack (STR-DE945)
16 MD/DAT jack (STR-DE945)
  MD/TAPE jack (STR-DE845)
17 CD jack
18 PHONO jack
19 MONITOR jack

(E model)

Setting a voltage selector

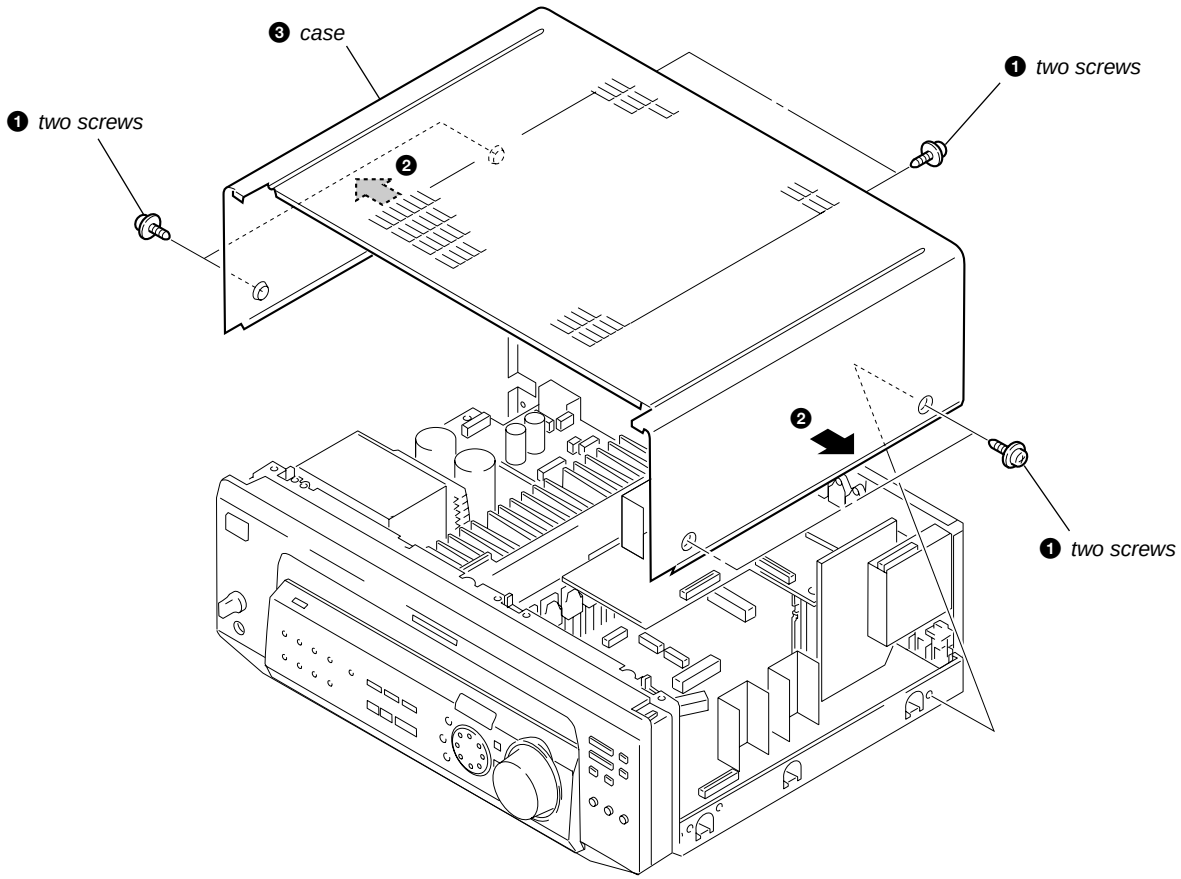
If your receiver has a voltage selector on the rear panel, check that the voltage selector on the rear panel of the receiver is set to the local power supply voltage. If not, use a screwdriver to set the selector to the correct position before connecting the AC power cord to a wall outlet.



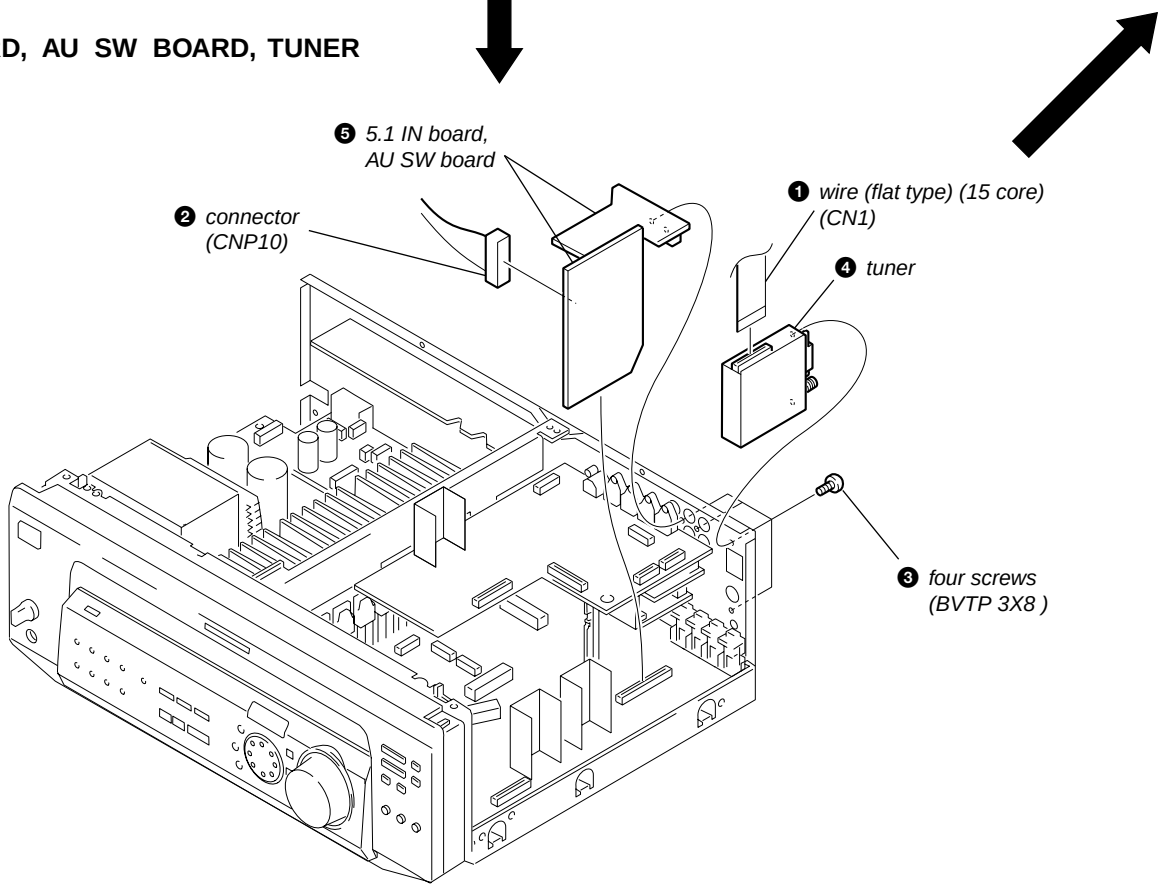
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

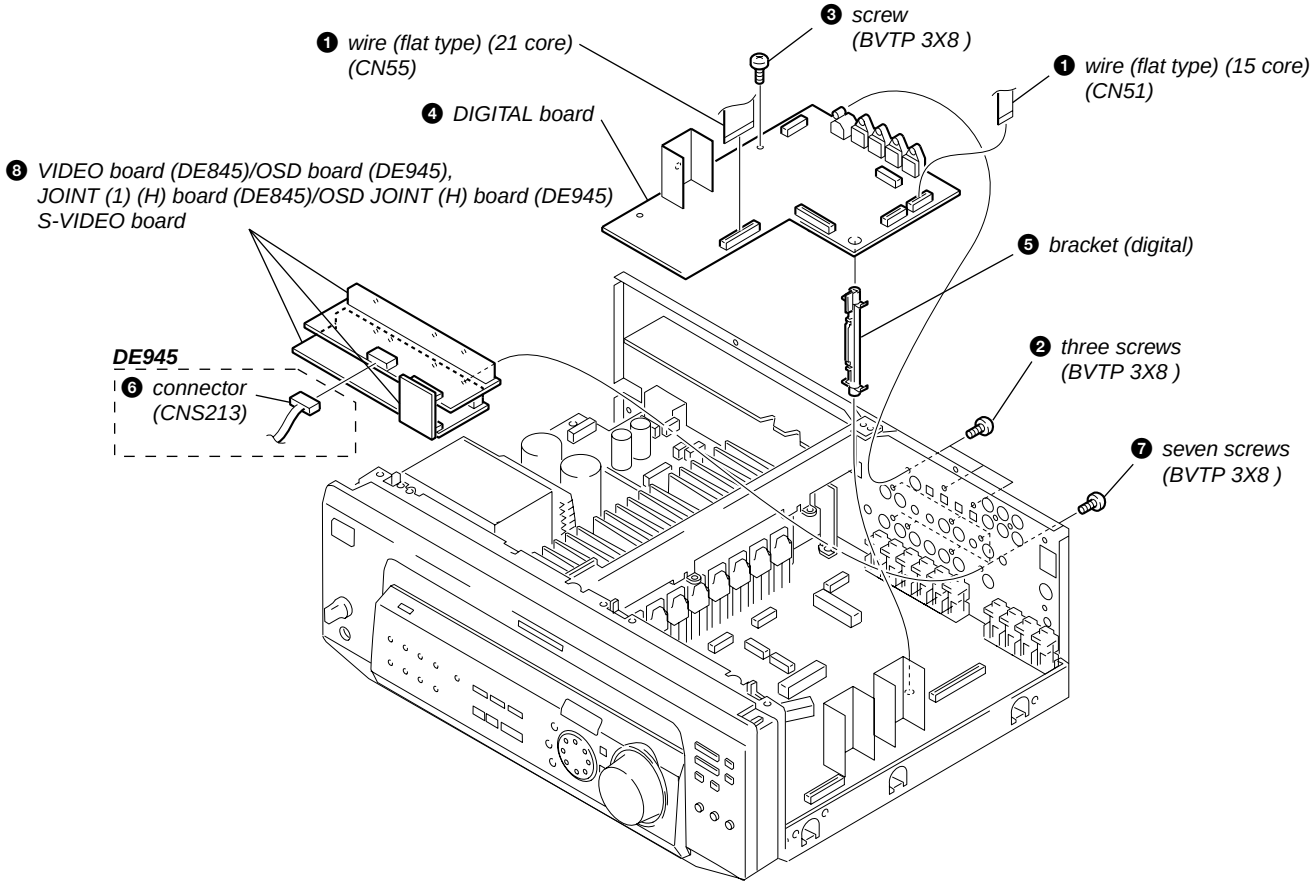
CASE



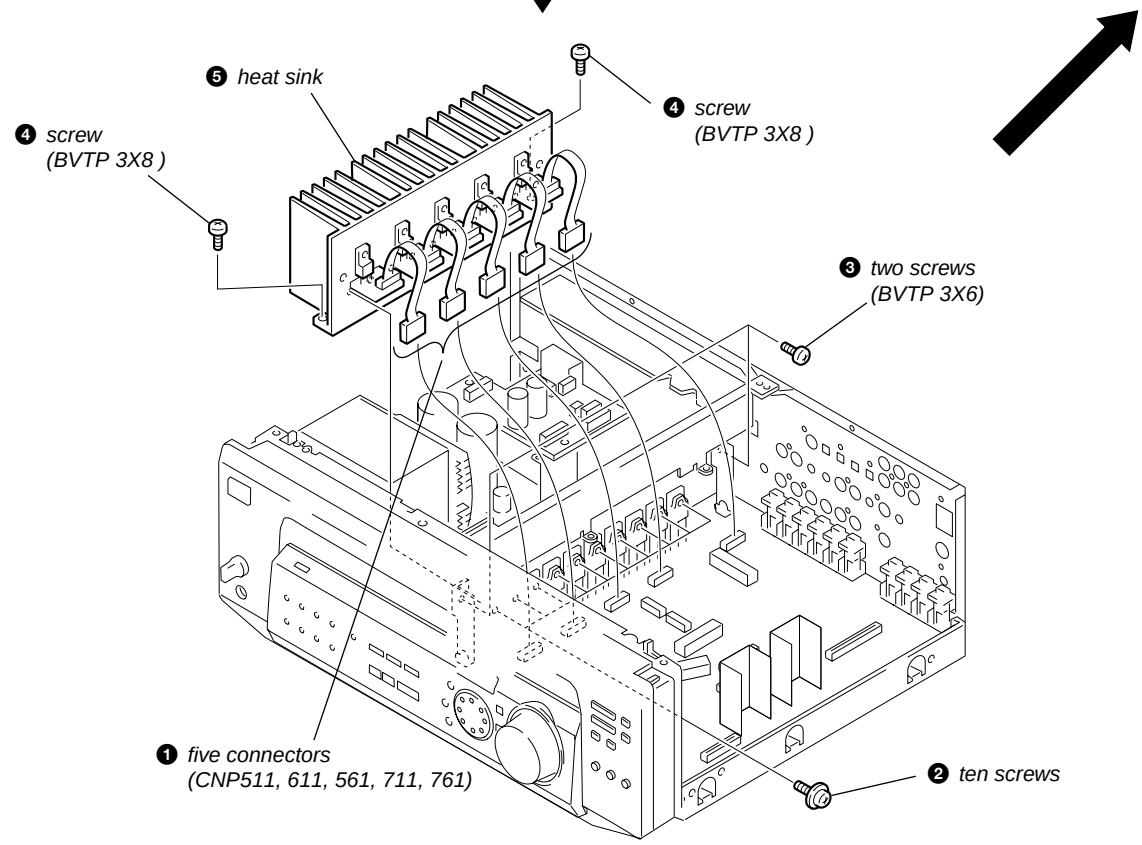
5.1 IN BOARD, AU SW BOARD, TUNER



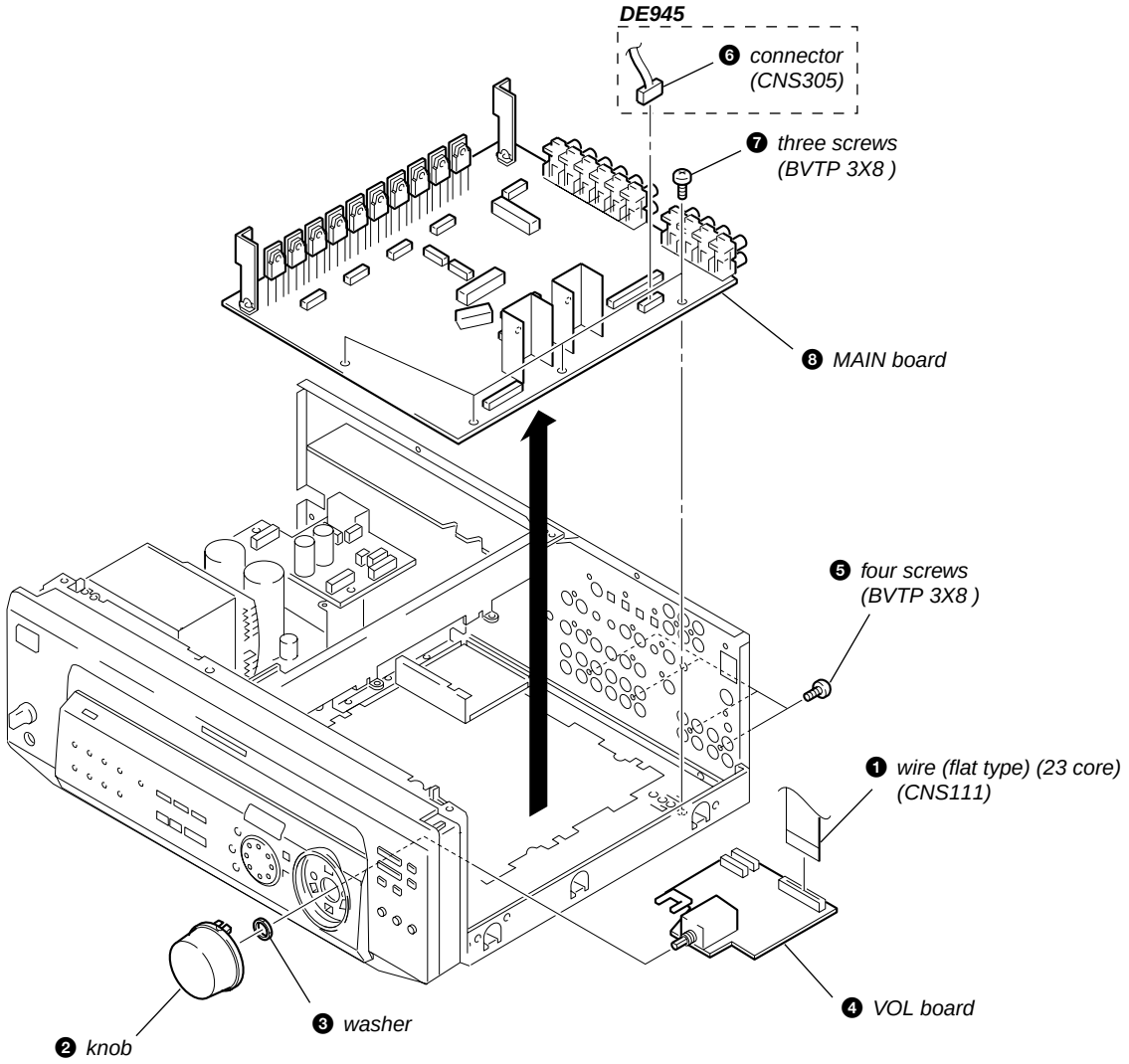
VIDEO/OSD/JOINT (1) (H)/OSD JOINT (H)/ S-VIDEO/DIGITAL BOARD


❶ wire (flat type) (21 core) (CN55)
❸ screw (BVTP 3X8)
❶ wire (flat type) (15 core) (CN51)
❹ DIGITAL board
❽ VIDEO board (DE845)/OSD board (DE945), JOINT (1) (H) board (DE845)/OSD JOINT (H) board (DE945) S-VIDEO board
❺ bracket (digital)
DE945
❻ connector (CNS213)
❷ three screws (BVTP 3X8)
❼ seven screws (BVTP 3X8)

HEAT SINK



VOL BOARD, MAIN BOARD



SECTION 3
TEST MODE

Fluorescent Indicator Tube Test Mode

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While depressing, the A.F.D and the DIMMER buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. All segments turn on at the same time, then each segment turns on press the A.F.D button.

Factory Set Mode

All preset contents are reset to the default setting.

Procedure:

1. While depressing the SET UP, and the DIMMER buttons simultaneously, press the power I/⏻ button to turn on the main power. The message Factry Set appears and the present contents are reset to the default values.

All Clear Mode

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While depressing the SET UP button simultaneously, press the power I/⏻ button to turn on the main power. The machine enters the DEMO mode.
   DEMO mode: Wait a while, then the demonstration starts. If the power I/⏻ button is pressed often the demonstration has started, the power is turned off, and the demonstration resumes if the power I/⏻ button is pressed again.
   ALL CLEAR mode; Press the A.F.D, SOUND FIELD MODE (+), and I/⏻ buttons.

Sound Field Clear Mode

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While depressing the SOUND FIELD MODE (+) button, press the power I/⏻ button to turn on the main power. The message S.F Initialize appears and initialization is performed.

AM Channel Step 9 kHz/10 kHz Selection Mode (US, Canadian, and E Models)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Set the FUNCTION to AM. Turn off the main power.
2. While depressing the TUNING+ button or the PRESET TUNING + button, press the power I/⏻ button to turn on the main power.
3. Either the message AM 9kHz Step or AM 10kHz Step appears. Select the desired step.

DSP Test Mode

It tests whether the DSP works correctly or not. When the DSP test is activated, the test data is output from the DSP (IC1401: CXD2712R) of the DIGITAL board and is written in the RAM (IC1402: IDT71V016S). When the test data is read from the RAM by the DSP, the data output must be equivalent to the original data. If they disagree, an error is triggered. Errors can be caused by the broken data line or defective soldering.

Procedure:

1. While pressing the SOUND FIELD MODE(+) and DIMMER buttons, press the I/⏻ button to enter the DSP test mode.
2. The message DSP TEST MODE appears. When an error occurs, the message DSP2 ERROR is displayed. When there is no error, the message DSP2 NO ERROR appears and the 1 kHz signal is output to all channels.
3. Use the MUTING button, when selecting the SINE WAVE, THROUGH, or IMPLUSE mode.

Version Mode

When this mode is used, the microprocessor version number is displayed.

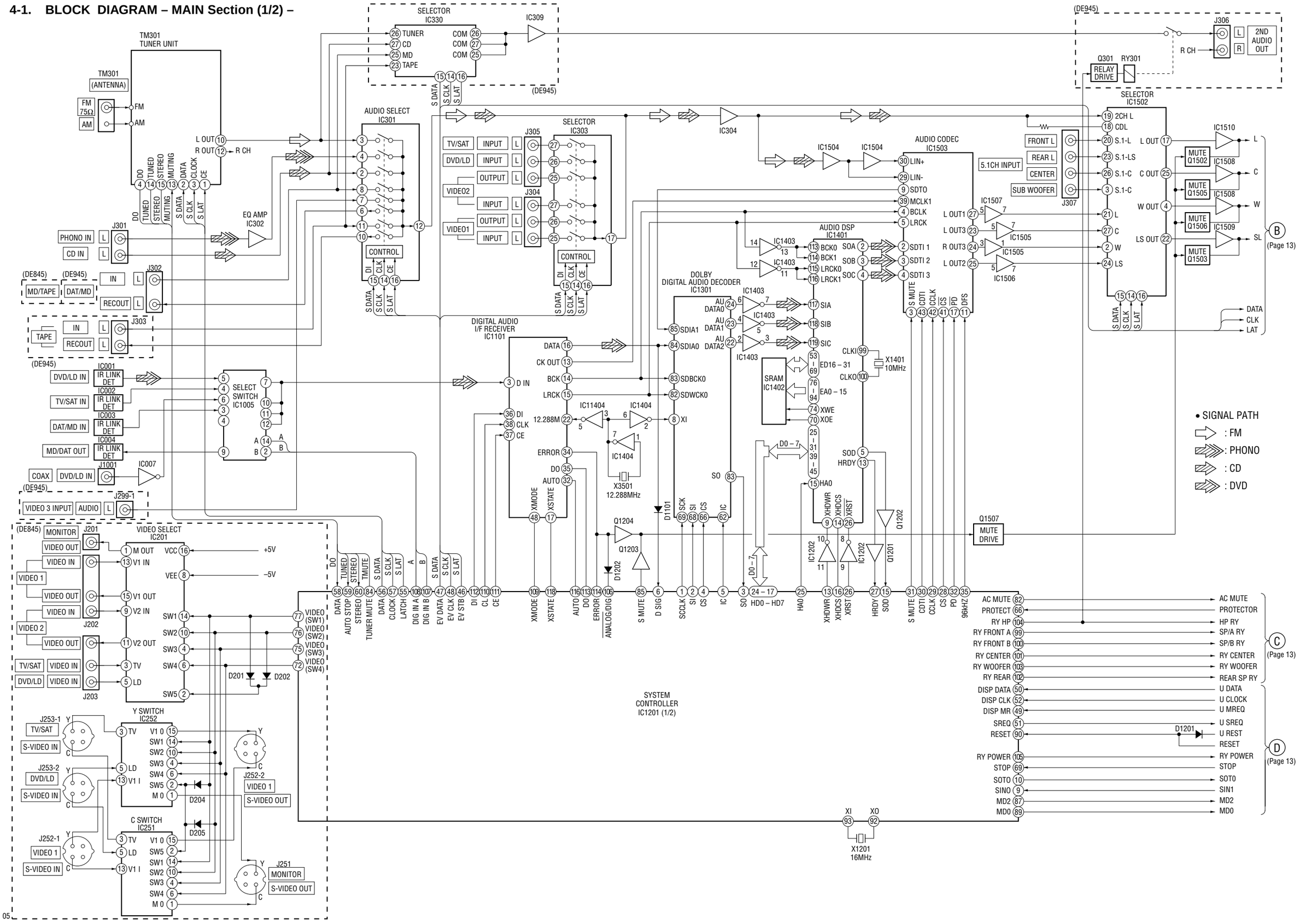
Procedure:

1. Press the I/⏻ button while pressing the MUTING, and DIMMER buttons to turn on the power. The microprocessor version number appears as follows.

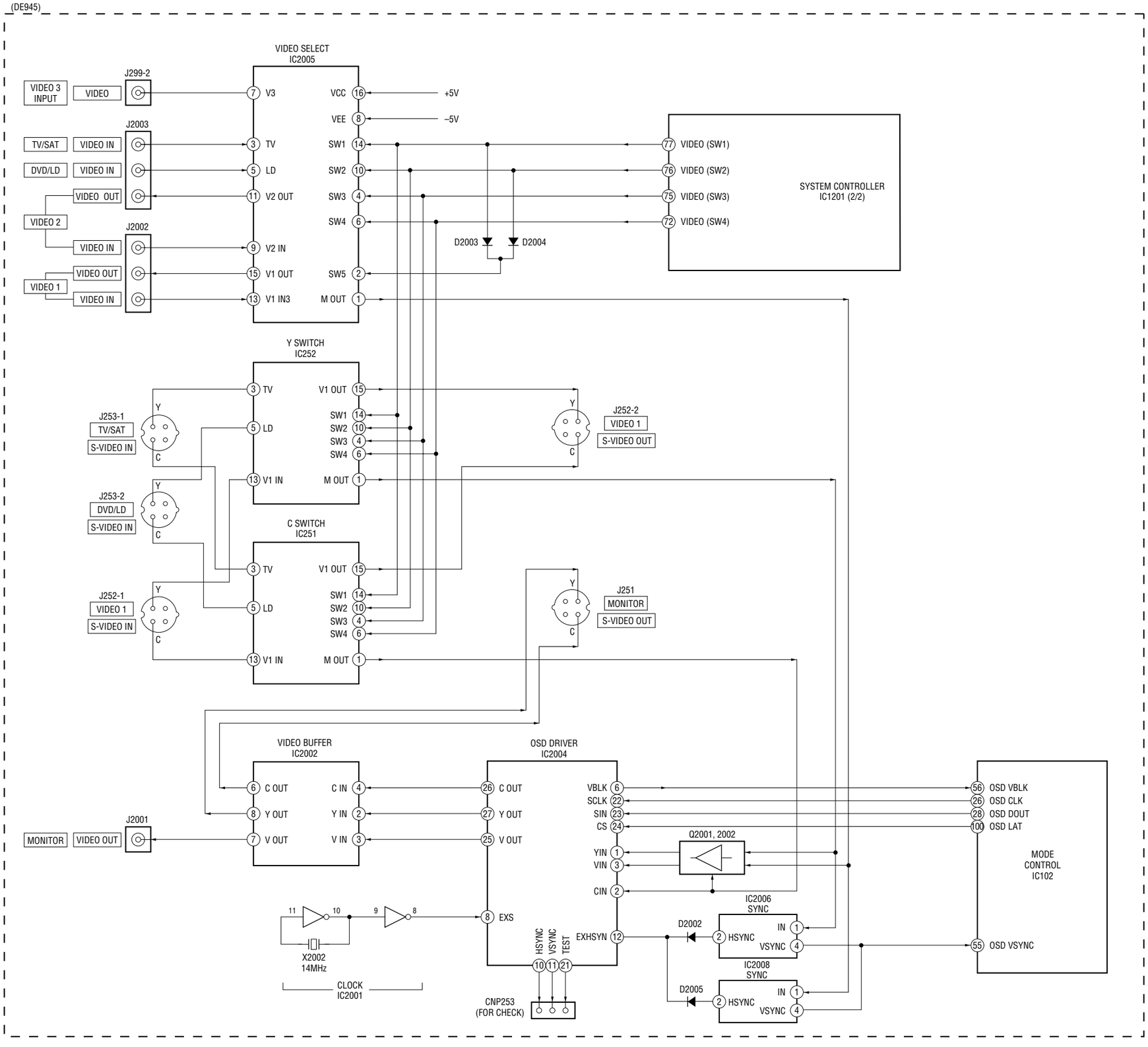
MEMO

SECTION 4
DIAGRAMS

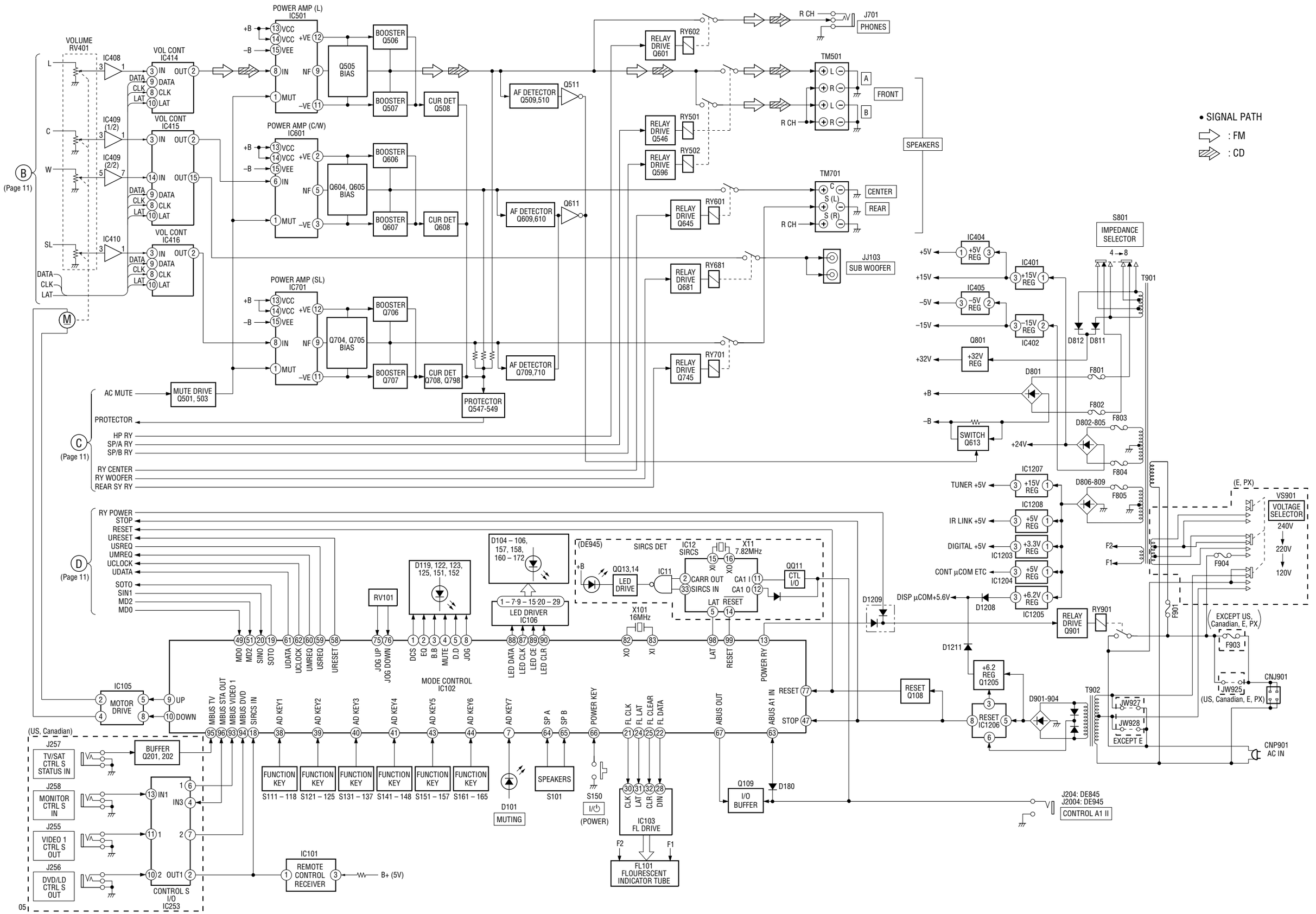
4-1. BLOCK DIAGRAM – MAIN Section (1/2) –



4-2. BLOCK DIAGRAM – MAIN Section (2/2) –



4-3. BLOCK DIAGRAM – DISPLAY/POWER SUPPLY Section –



4-4. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- △ : internal component.
- : nonflammable resistor.
- : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- B+ : B+ Line.
- B− : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ∗ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : CD
  : PHONO
- Abbreviation
  AUS : Australian model
  CH : Chinese model
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model

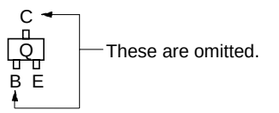
Note on Printed Wiring Board:

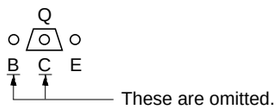
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- ○ : Through hole.
- : Pattern from the side which enables seeing.

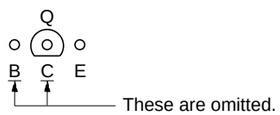
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

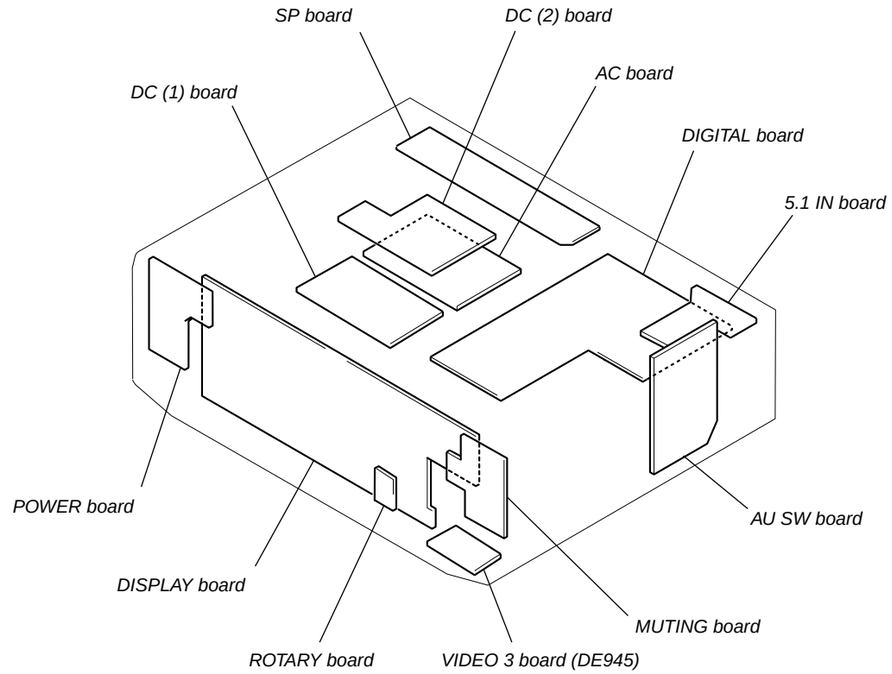
• Indication of transistor

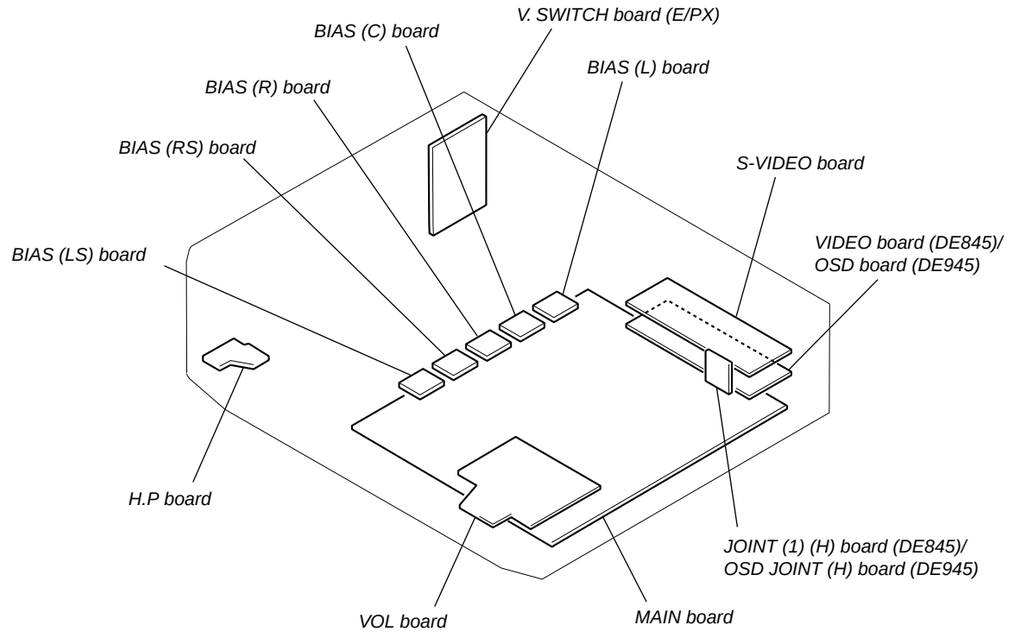






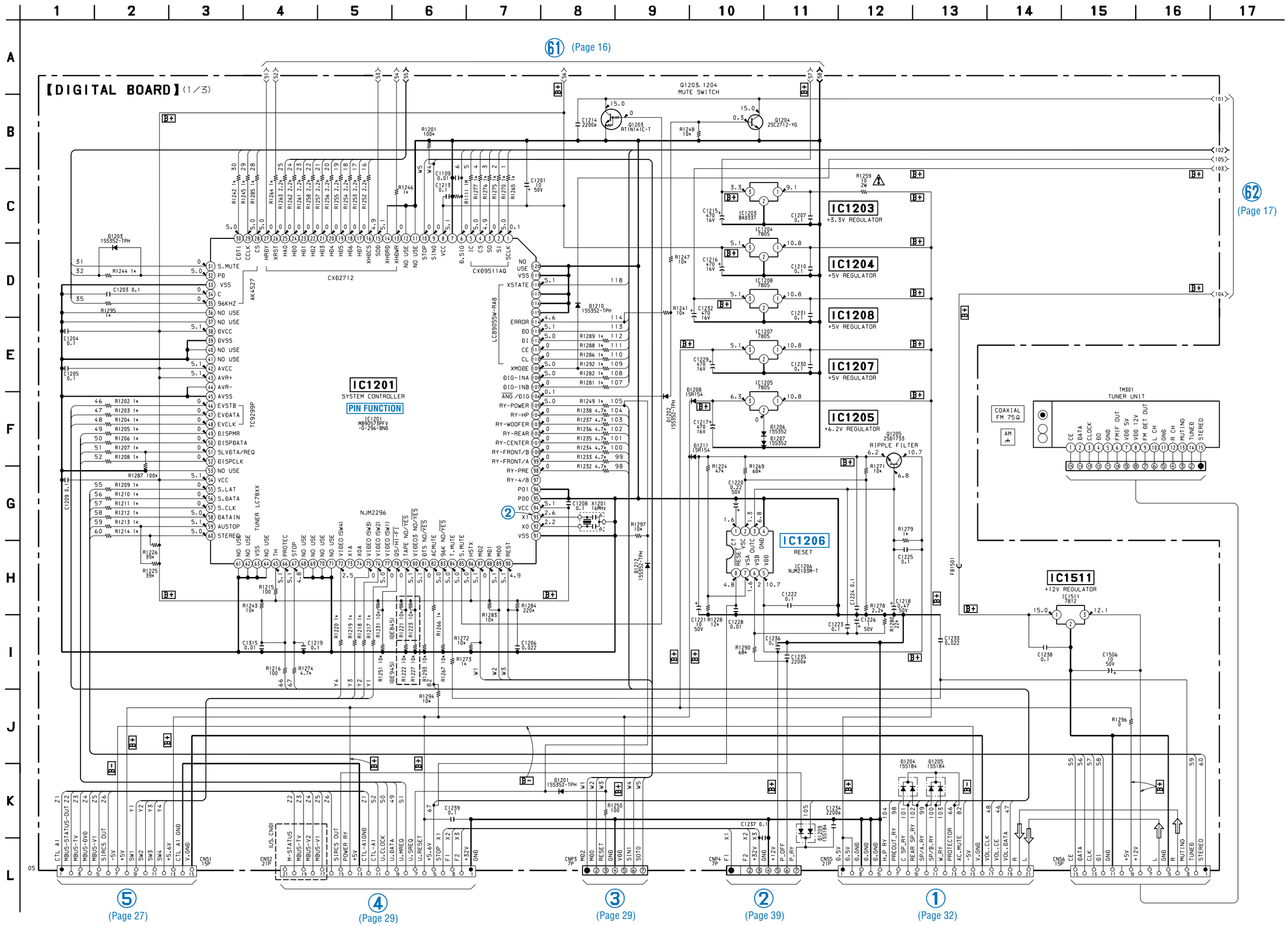
• Circuit Boards Location





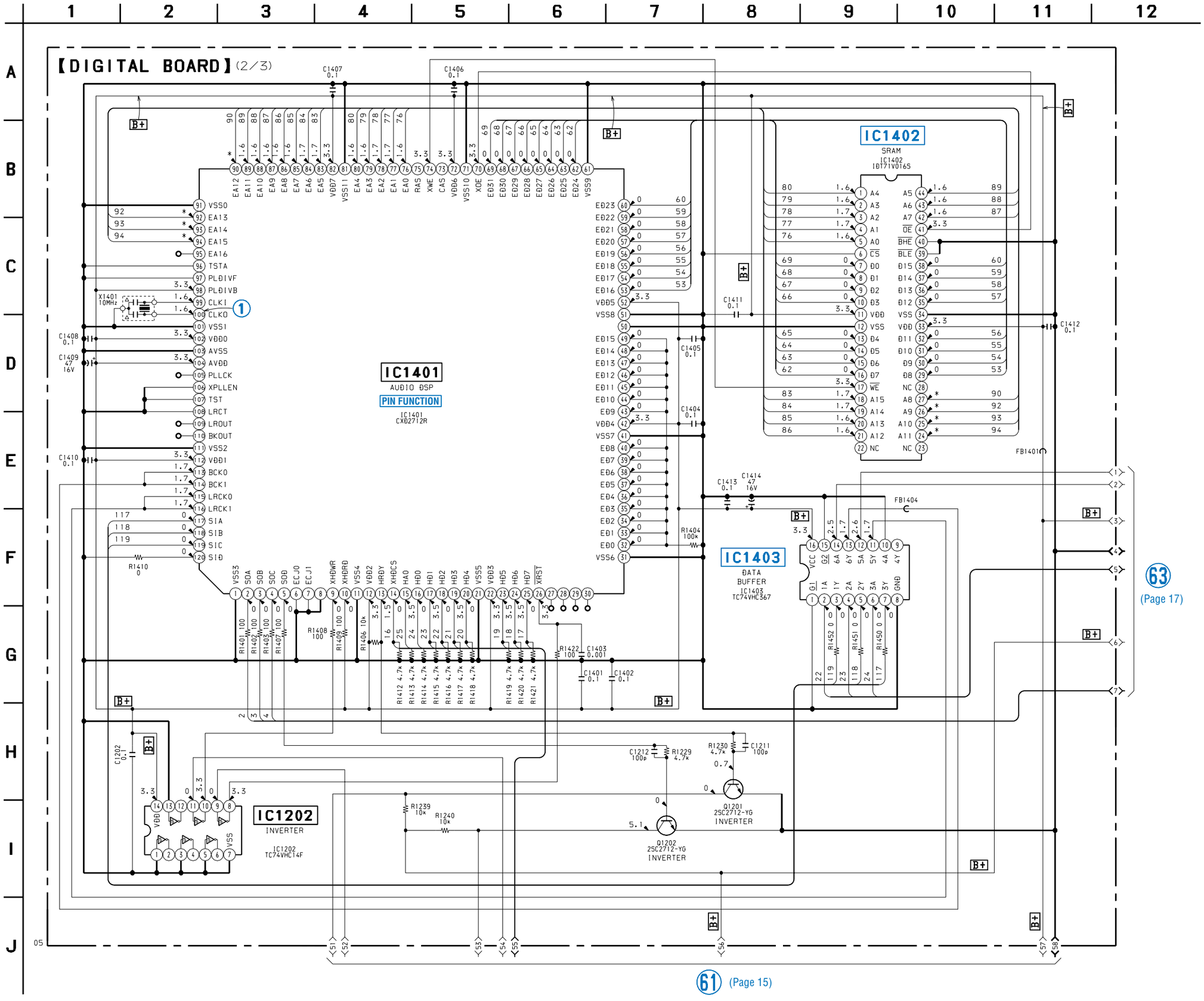
4-5. SCHEMATIC DIAGRAM – DIGITAL Board (1/3) –

• See page 42 for Waveform. • See page 42 for IC Block Diagram.



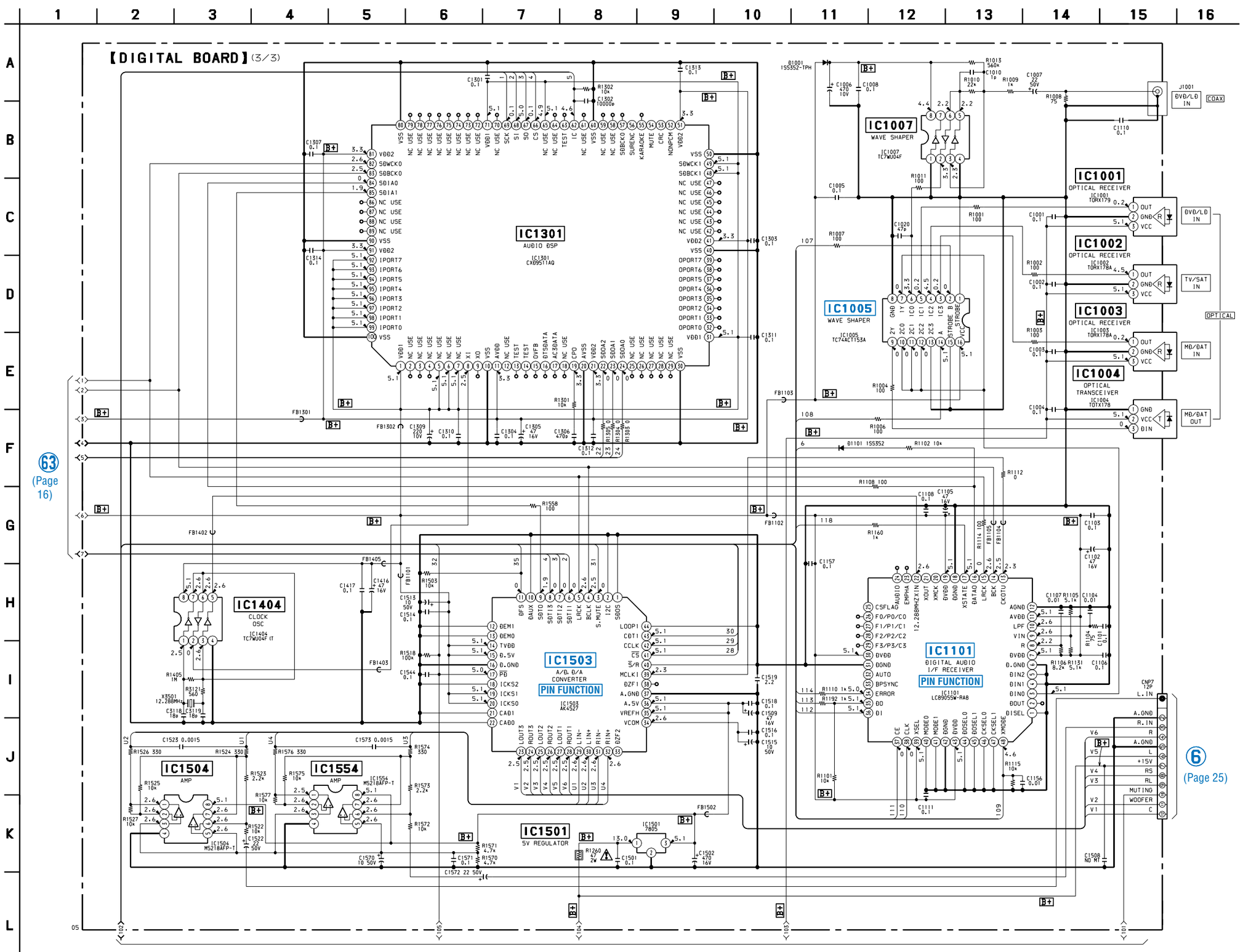
4-6. SCHEMATIC DIAGRAM – DIGITAL Board (2/3) –

• See page 42 for Waveform. • See page 42 for IC Block Diagrams.



4-7. SCHEMATIC DIAGRAM – DIGITAL Board (3/3) –

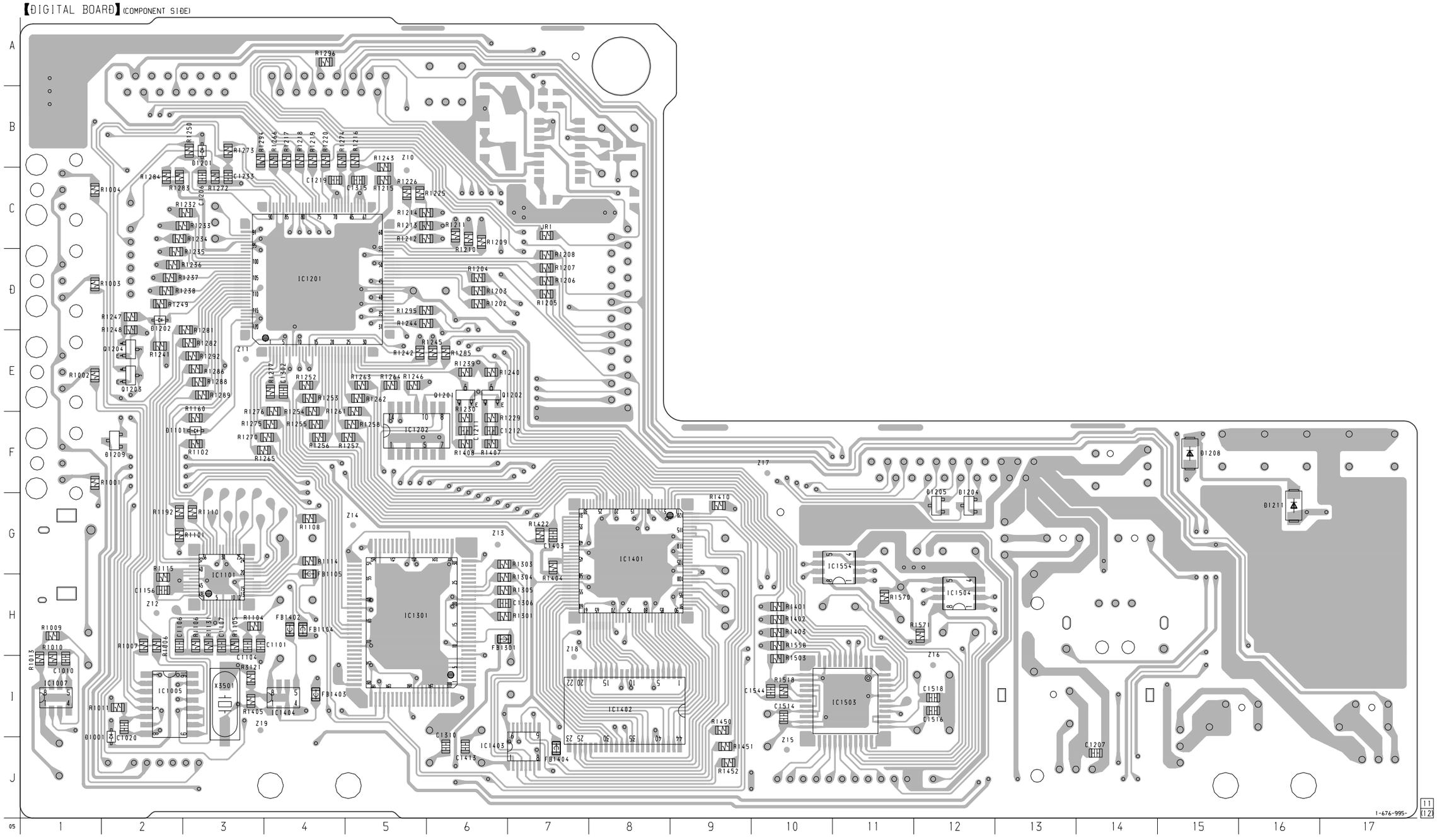
• See page 42 for Waveform. • See page 42 for IC Block Diagrams.



以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-8. PRINTED WIRING BOARD – DIGITAL Board (Component Side) – • See page 14 for Circuit Boards Location.

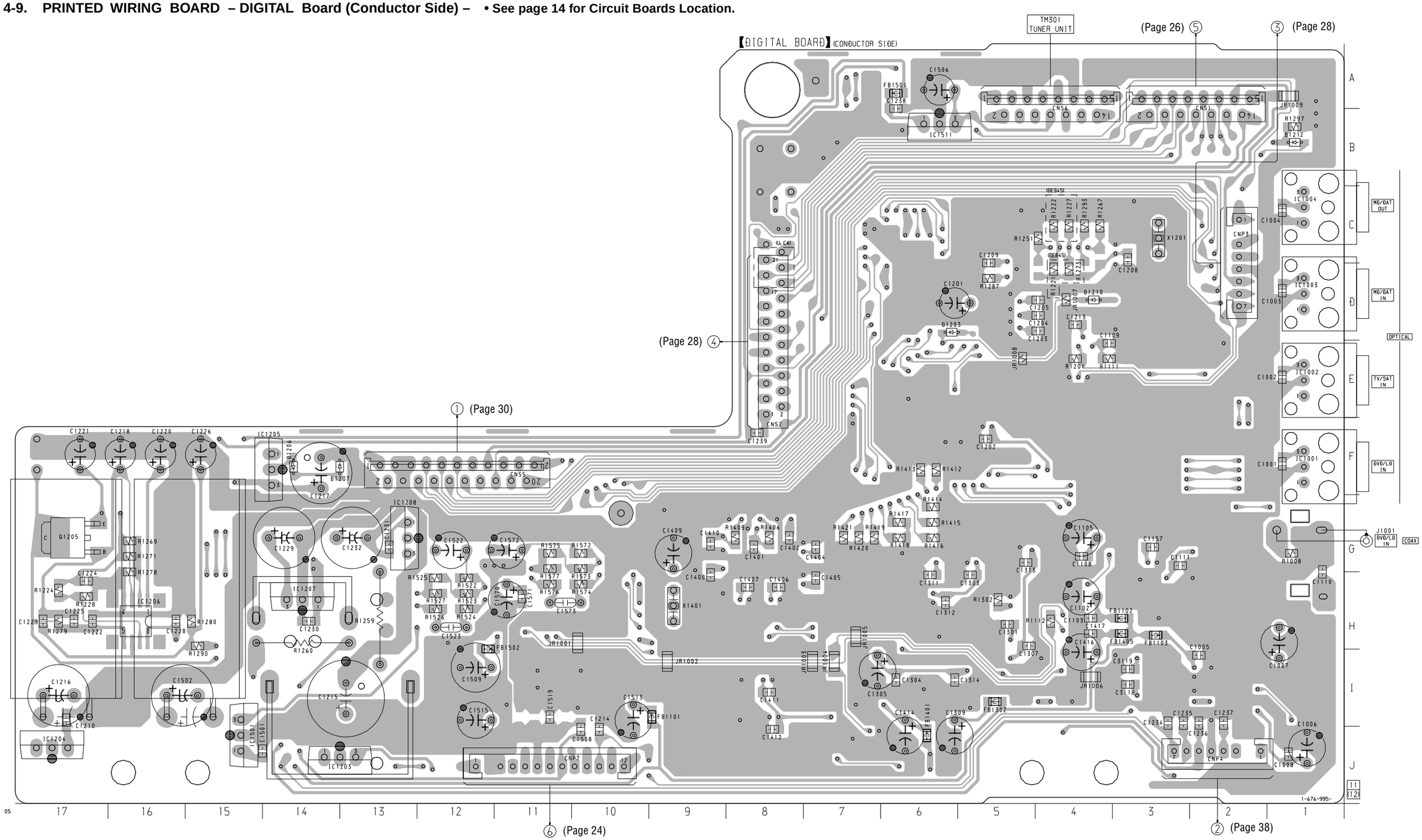


- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1001	I-2	IC1201	D-4
D1101	F-3	IC1202	F-5
D1201	B-3	IC1301	H-5
D1202	D-2	IC1401	G-8
D1203	D-5	IC1402	I-8
D1204	G-12	IC1403	J-7
D1205	G-12	IC1404	I-4
D1208	F-15	IC1503	I-11
D1209	F-2	IC1504	H-12
D1210	D-4	IC1554	G-11
D1211	G-16		
D1212	B-1	Q1201	E-6
		Q1202	E-6
IC1005	I-2	Q1203	E-2
IC1007	I-1	Q1204	E-2
IC1101	H-3		

4-9. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) –

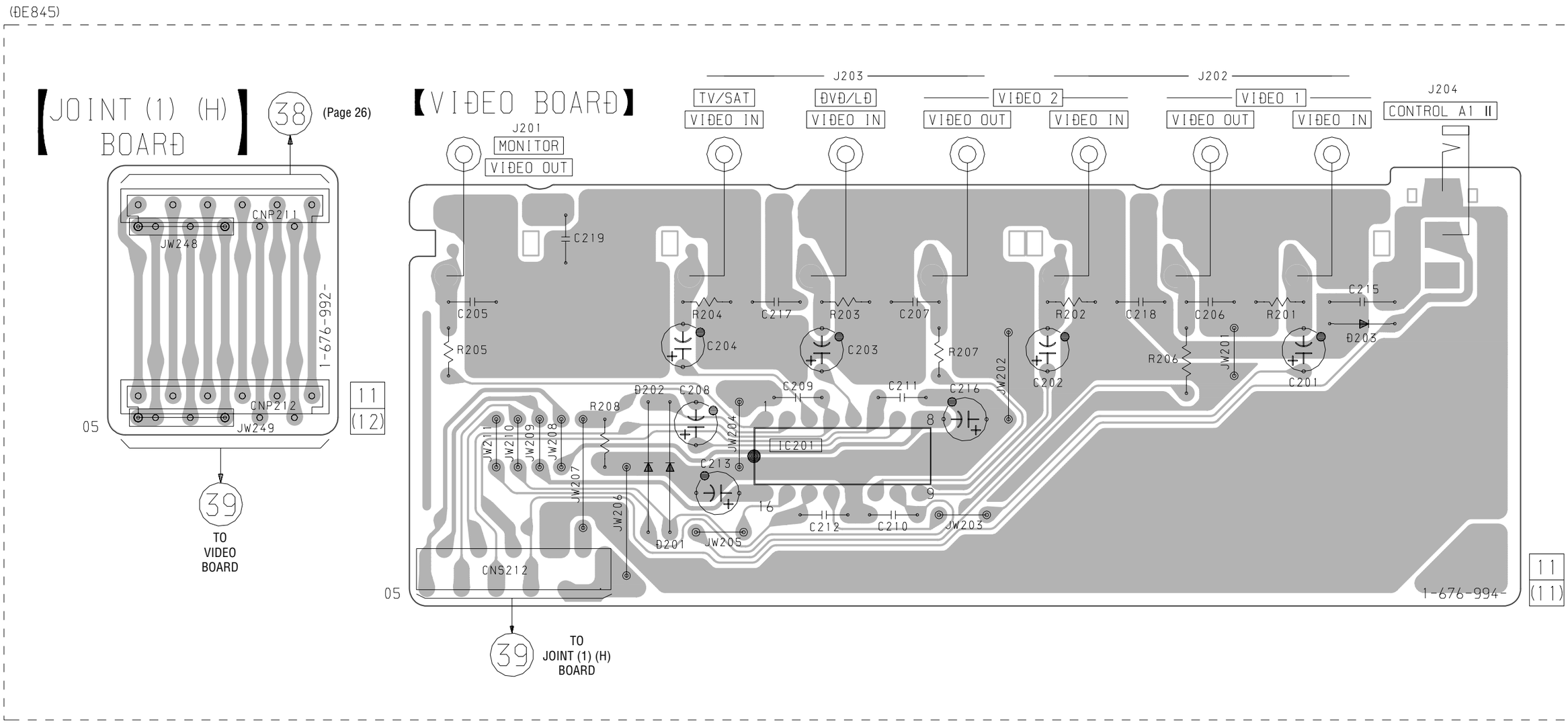
• See page 14 for Circuit Boards Location.



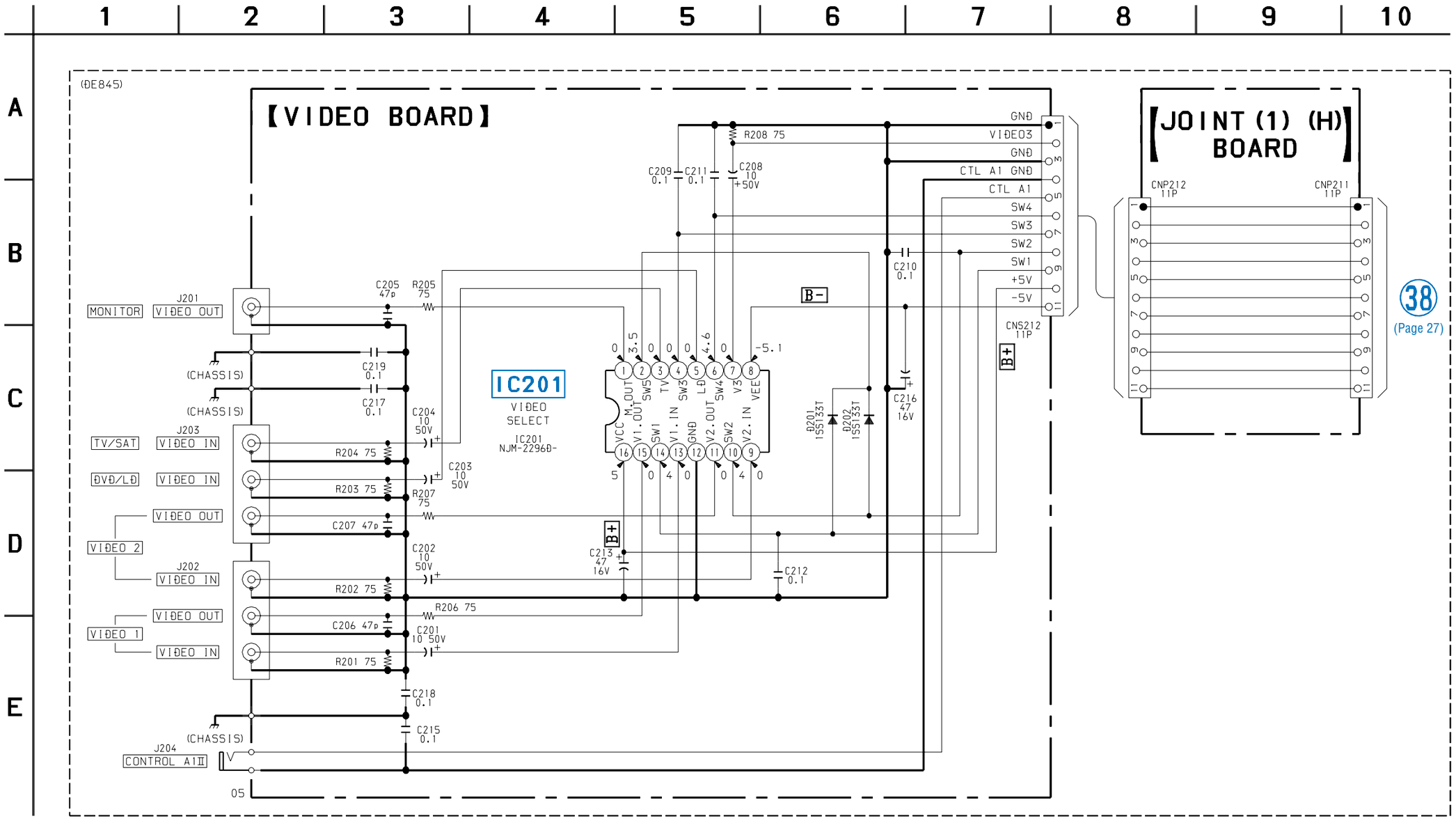
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1206	F-14	IC1204	J-17
D1207	F-13	IC1205	F-14
D1502	I-11	IC1206	H-16
D1503	I-11	IC1207	H-14
		IC1208	G-13
IC1001	F-1	IC1501	J-15
IC1002	E-1	IC1511	B-6
IC1003	D-1		
IC1004	C-1	Q1205	G-17
IC1203	J-14		

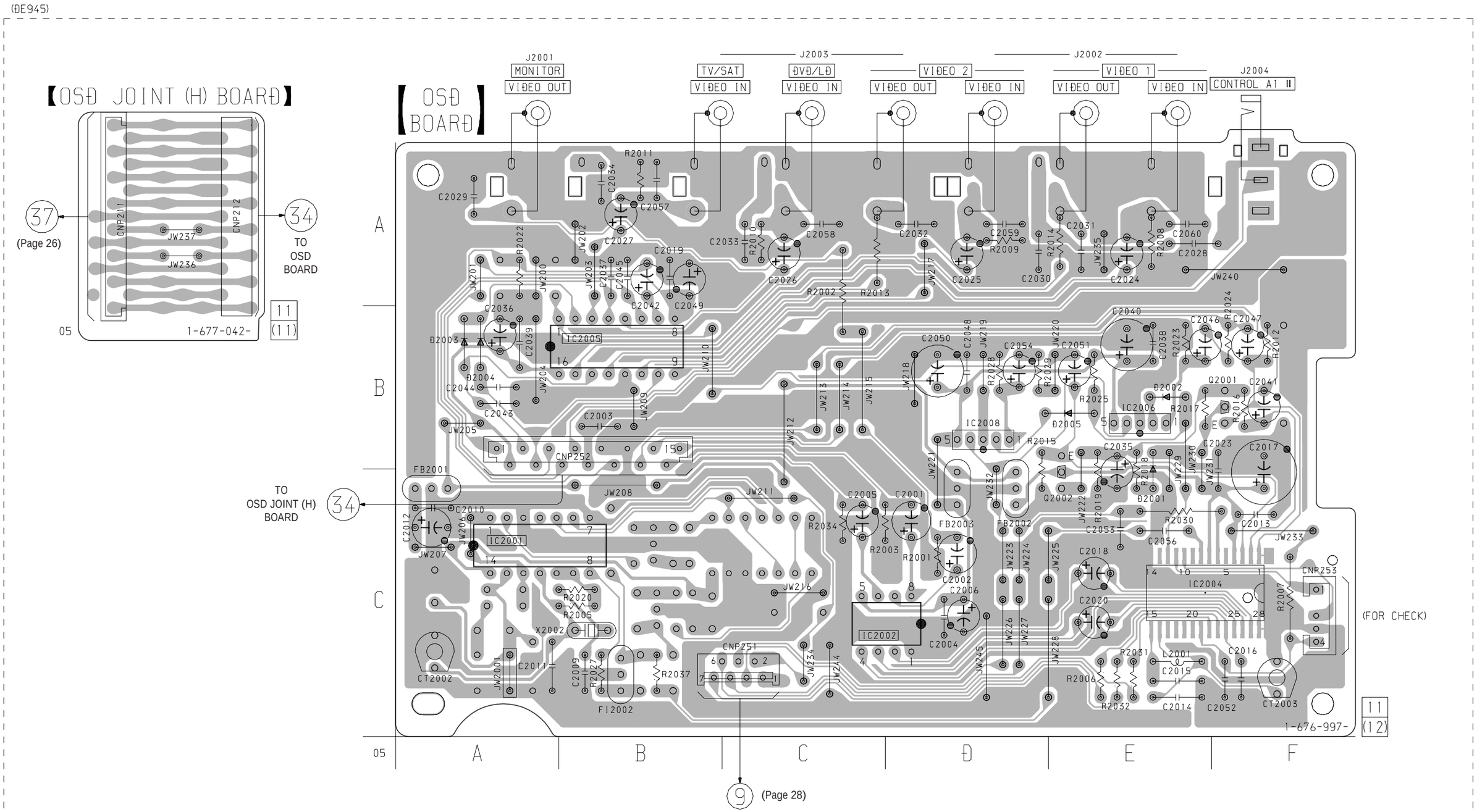
4-10. PRINTED WIRING BOARDS – VIDEO/JOINT (1) (H) Boards (DE845) – • See page 14 for Circuit Boards Location.



4-11. SCHEMATIC DIAGRAM – VIDEO/JOINT (1) (H) Boards (DE845) – • See page 42 for IC Block Diagram.



4-12. PRINTED WIRING BOARDS – OSD/OSD JOINT (H) Boards (DE945) – • See page 14 for Circuit Boards Location.

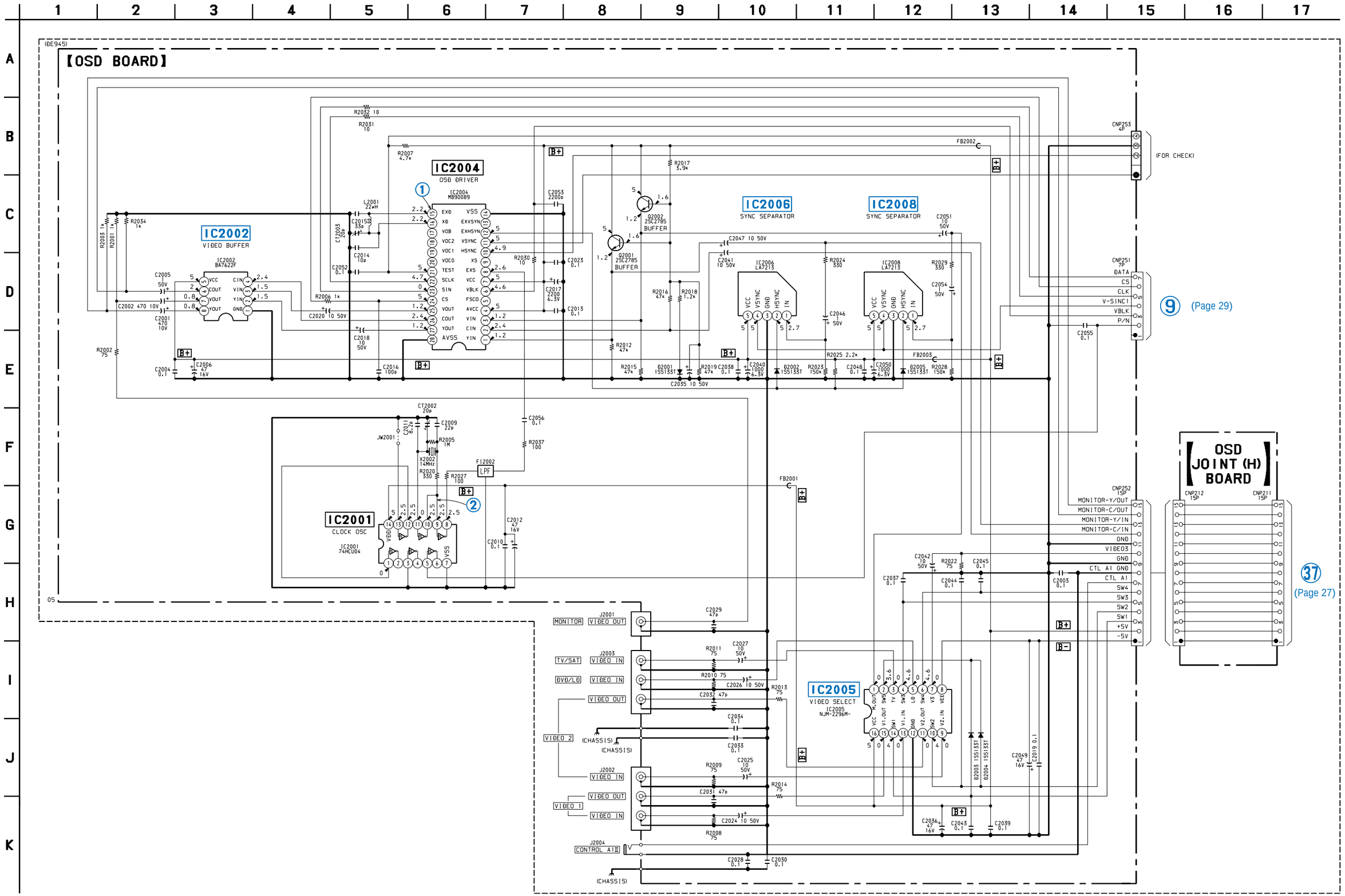


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D2001	C-5	IC2004	C-5
D2002	B-5	IC2005	B-2
D2003	B-1	IC2006	B-5
D2004	B-1	IC2007	
D2005	B-5	IC2008	B-4
IC2001	C-1	Q2001	B-6
IC2002	C-3	Q2002	C-5

4-13. SCHEMATIC DIAGRAM – OSD/OSD JOINT (H) Boards (DE945) –

• See page 42 for waveforms. • See page 42 IC Block Diagrams.

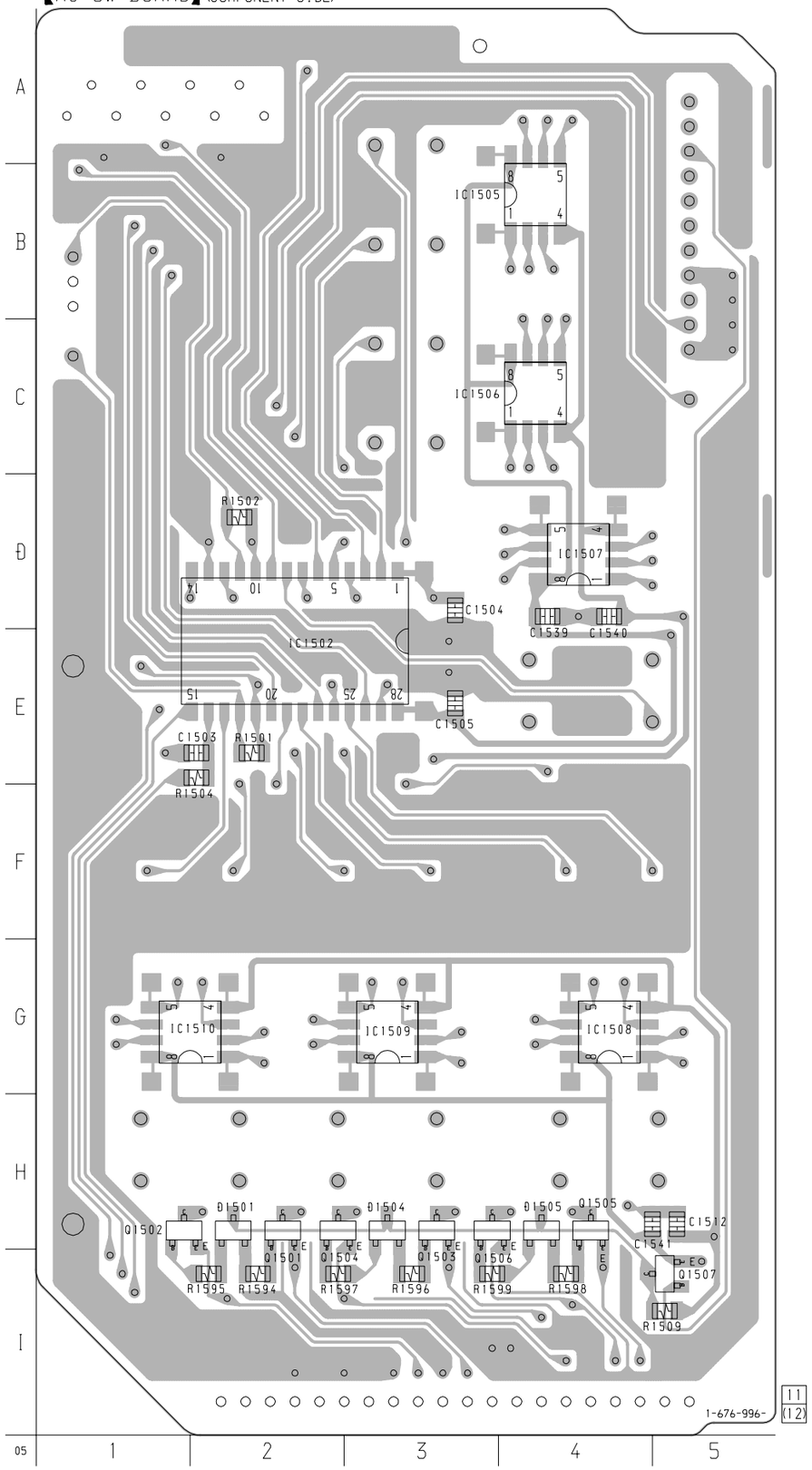


4-14. PRINTED WIRING BOARD – AU SW Board – • See page 14 for Circuit Boards Location.

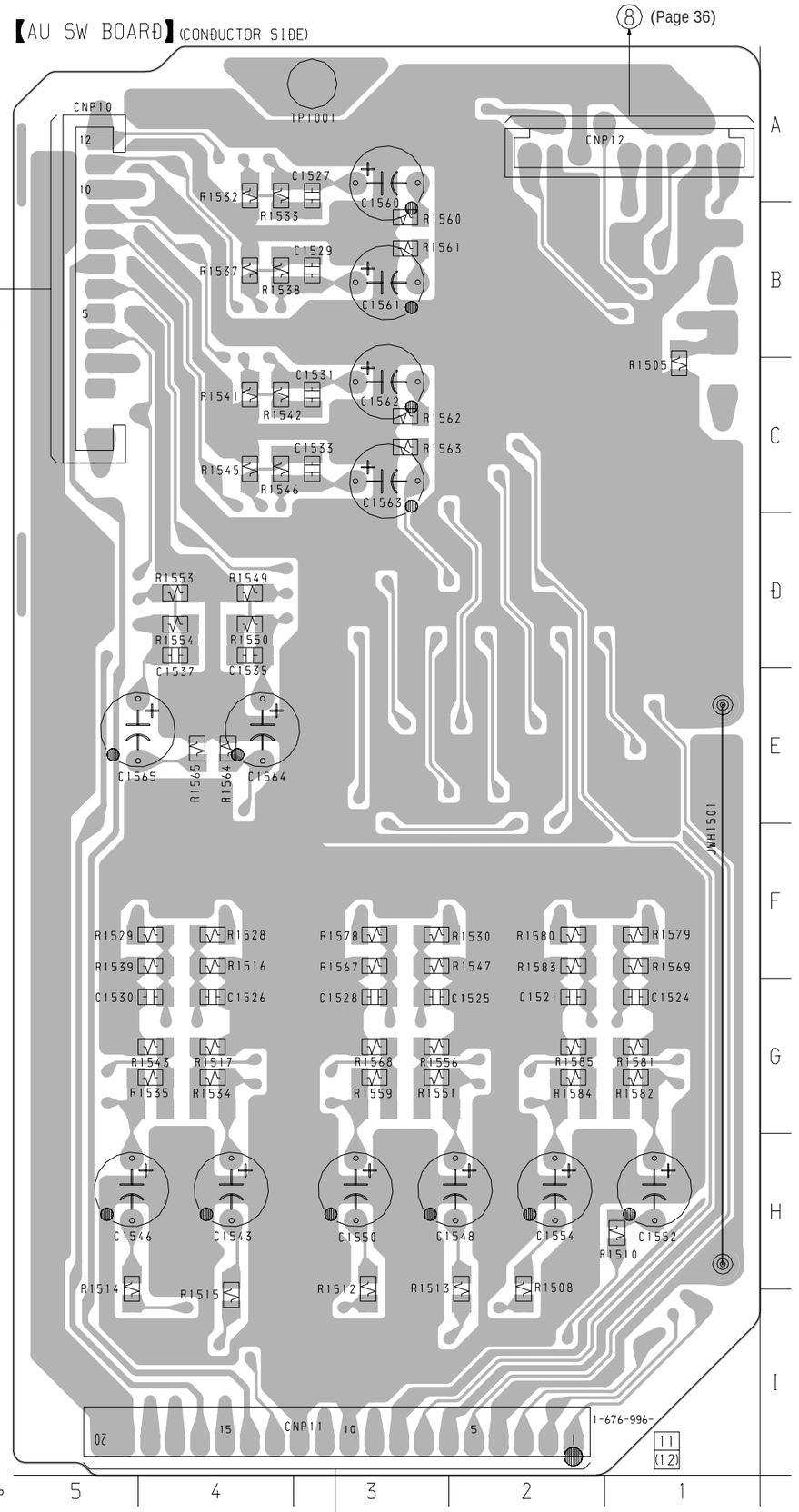
• **Semiconductor Location**

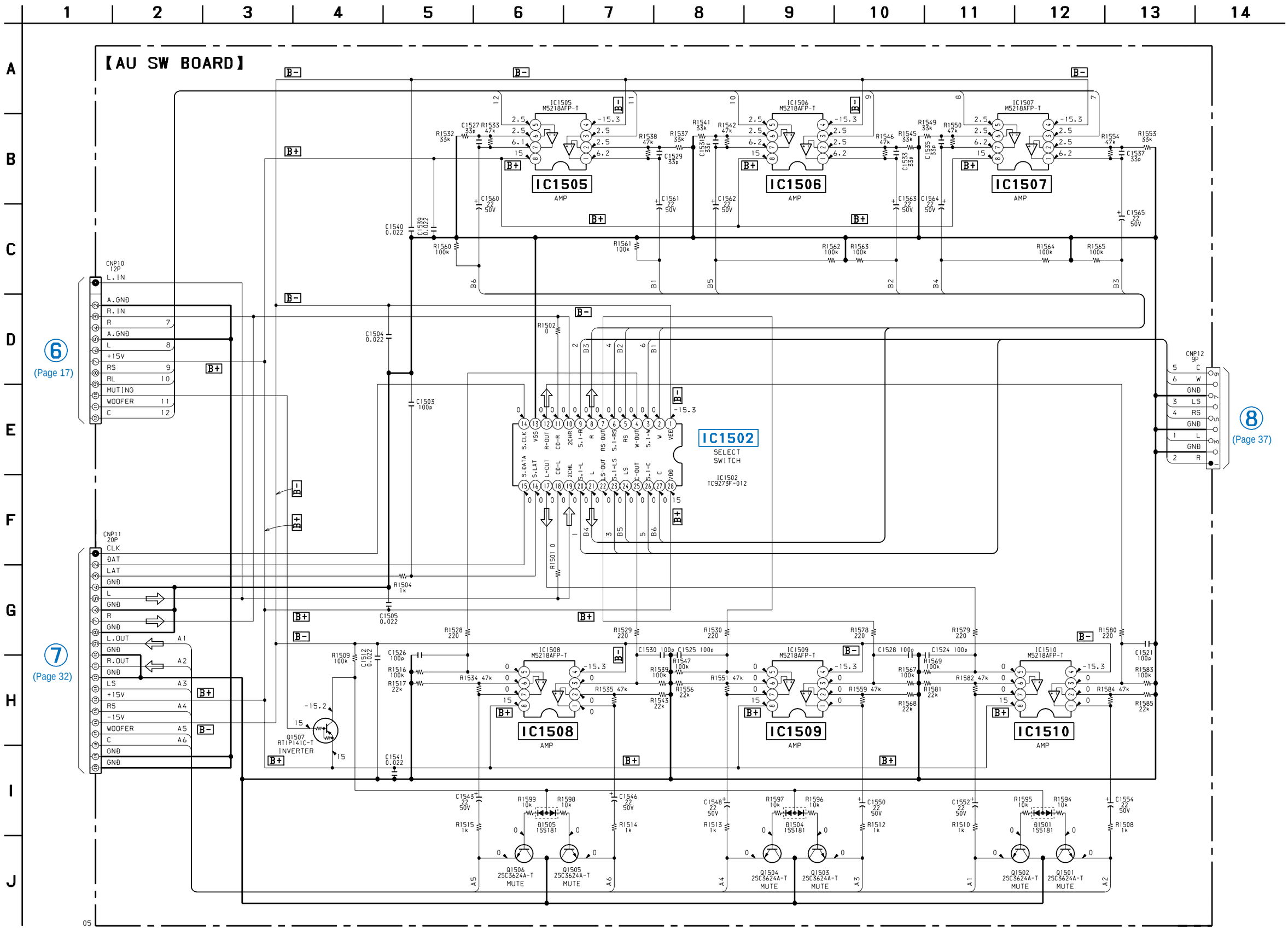
Ref. No.	Location
D1501	H-2
D1504	H-3
D1505	H-4
IC1502	E-2
IC1505	B-4
IC1506	C-4
IC1507	D-4
IC1508	G-4
IC1509	G-3
IC1510	G-1
Q1501	H-2
Q1502	H-1
Q1503	H-3
Q1504	H-2
Q1505	H-4
Q1506	H-3
Q1507	I-5

【AU SW BOARD】(COMPONENT SIDE)

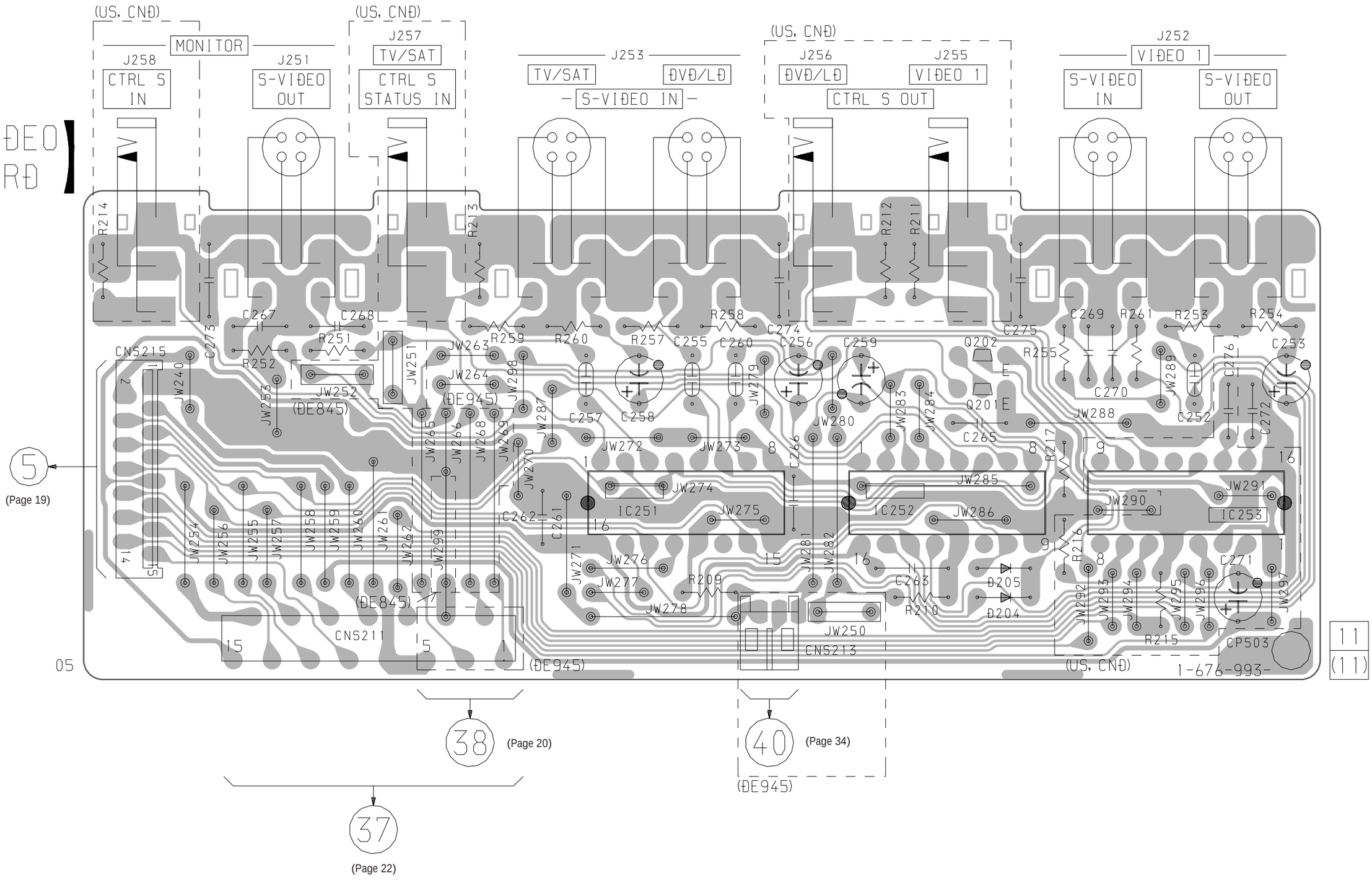


【AU SW BOARD】(CONDUCTOR SIDE)

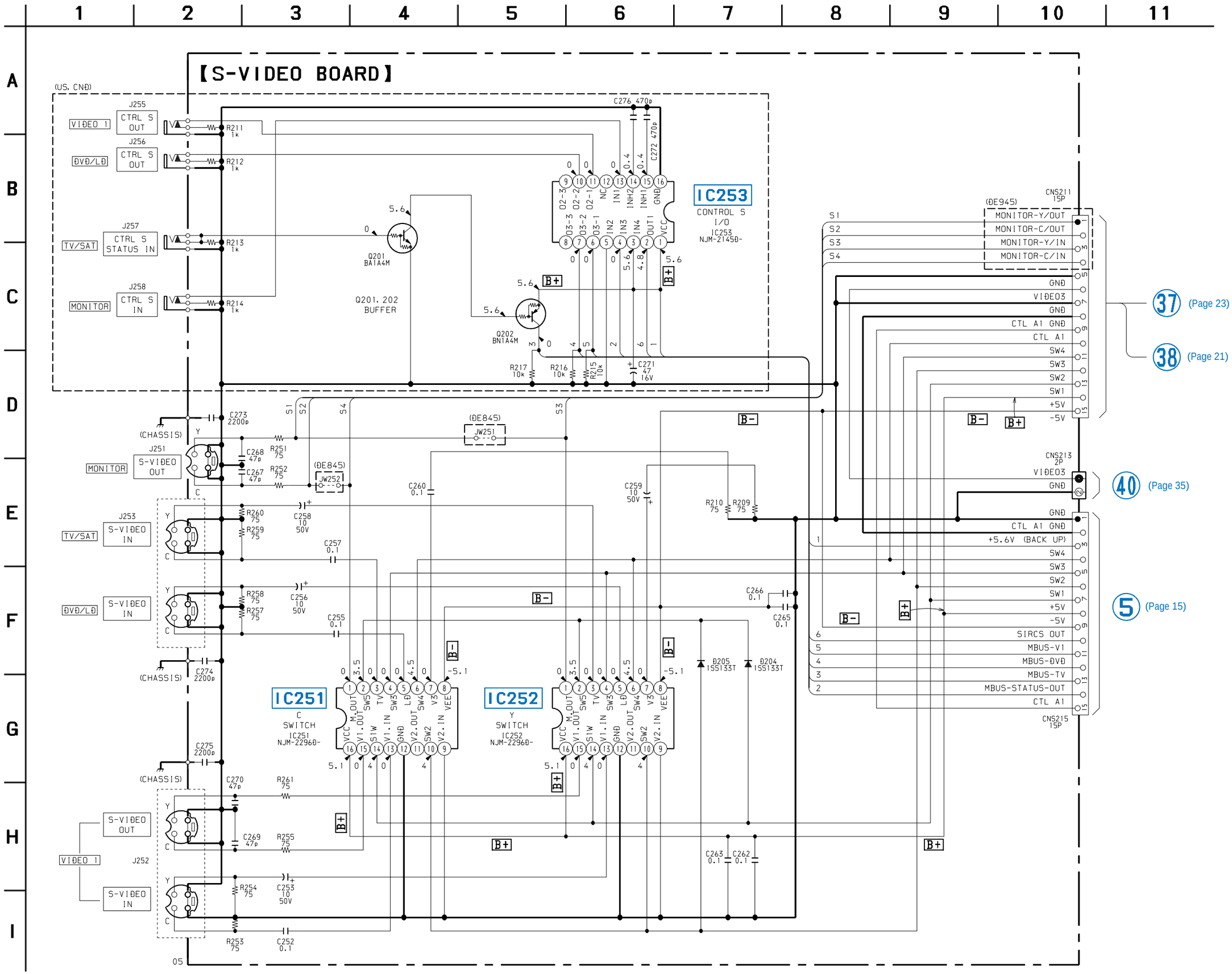



【AU SW BOARD】
IC1505 M5218AFP-T
IC1506 M5218AFP-T
IC1507 M5218AFP-T
IC1505 AMP
IC1506 AMP
IC1507 AMP
IC1502 SELECT SWITCH
IC1502 TC9273F-012
IC1508 M5218AFP-T
IC1509 M5218AFP-T
IC1510 M5218AFP-T
IC1508 AMP
IC1509 AMP
IC1510 AMP
Q1507 RTP141C-T INVERTER
Q1506 2SC3624A-T MUTE
Q1505 2SC3624A-T MUTE
Q1504 2SC3624A-T MUTE
Q1503 2SC3624A-T MUTE
Q1502 2SC3624A-T MUTE
Q1501 2SC3624A-T MUTE
D1505 1SS181
D1504 1SS181
D1501 1SS181
CNP10 12P L.IN
A.GND
R.IN
R 7
A.GND
L 8
+15V
RS 9
RL 10
MUTING
WOOFER 11
C 12
CNP11 20P CLK ĐAT LAT GNĐ L GNĐ R GNĐ L.OUT A1 GNĐ R.OUT A2 GNĐ LS A3 +15V RS A4 -15V WOOFER A5 C A6 GNĐ GNĐ
CNP12 9P C W GNĐ LS RS GNĐ L GNĐ R
6 (Page 17)
7 (Page 32)
8 (Page 37)
B+
B-
-15.2
-15.3

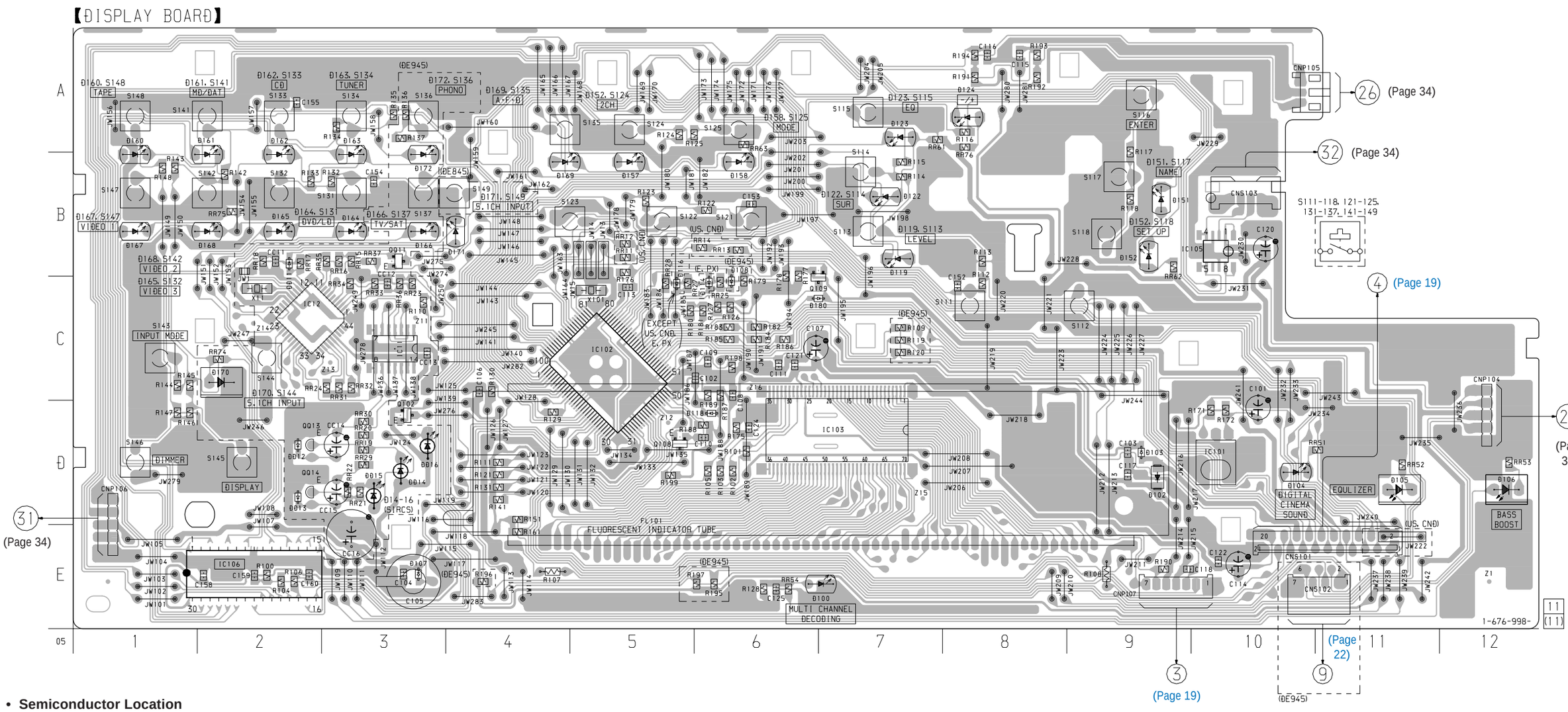
4-16. PRINTED WIRING BOARD – S-VIDEO Board – • See page 14 for Circuit Boards Location.



4-17. SCHEMATIC DIAGRAM – S-VIDEO Board – • See page 42 for IC Block Diagrams.



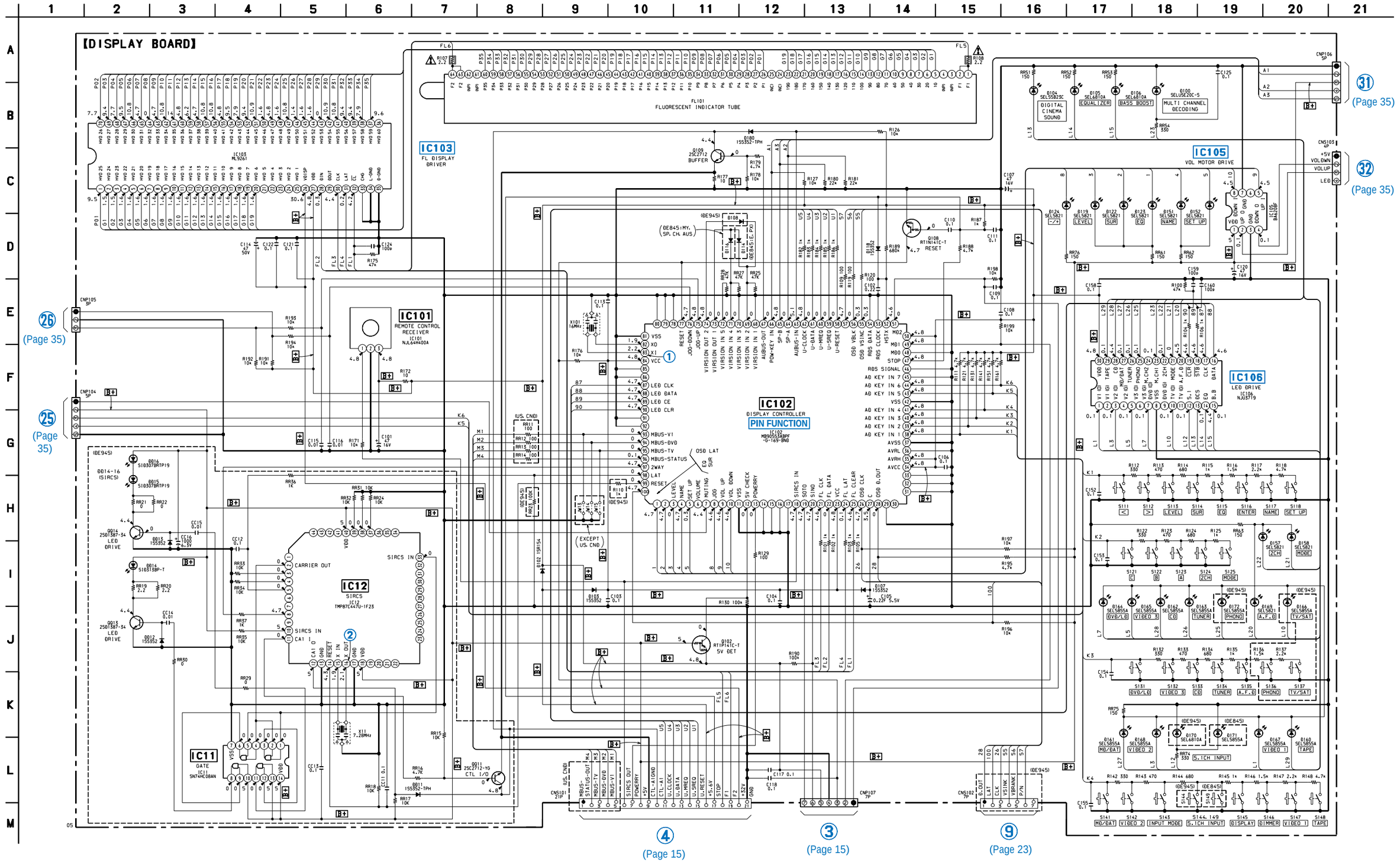
4-18. PRINTED WIRING BOARD – DISPLAY Board – • See page 14 for Circuit Boards Location.



- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D100	E-7	D168	B-2
D102	D-9	D169	B-4
D103	D-9	D170	C-2
D104	D-10	D171	B-4
D105	D-11	D172	A-3
D106	D-12	D180	C-6
D107	E-3	DD11	B-2
D108	C-6	DD12	D-2
D114	C-6	DD13	D-2
D116	C-5	DD14	D-3
D118	D-6	DD15	D-3
D119	B-7	DD16	D-3
D122	B-7		
D123	A-7	IC11	C-3
D124	A-8	IC12	C-2
D151	B-9	IC101	D-10
D152	B-9	IC102	C-5
D157	B-5	IC103	D-7
D158	B-6	IC105	B-10
D160	A-1	IC106	E-2
D161	A-2		
D162	A-2	Q102	D-3
D163	A-3	Q108	D-5
D164	B-3	Q109	C-6
D165	B-2	QQ11	B-3
D166	B-3	QQ13	D-2
D167	B-1	QQ14	D-2

4-19. SCHEMATIC DIAGRAM – DISPLAY Board – • See page 42 for Waveforms. • See page 42 for IC Block Diagrams.



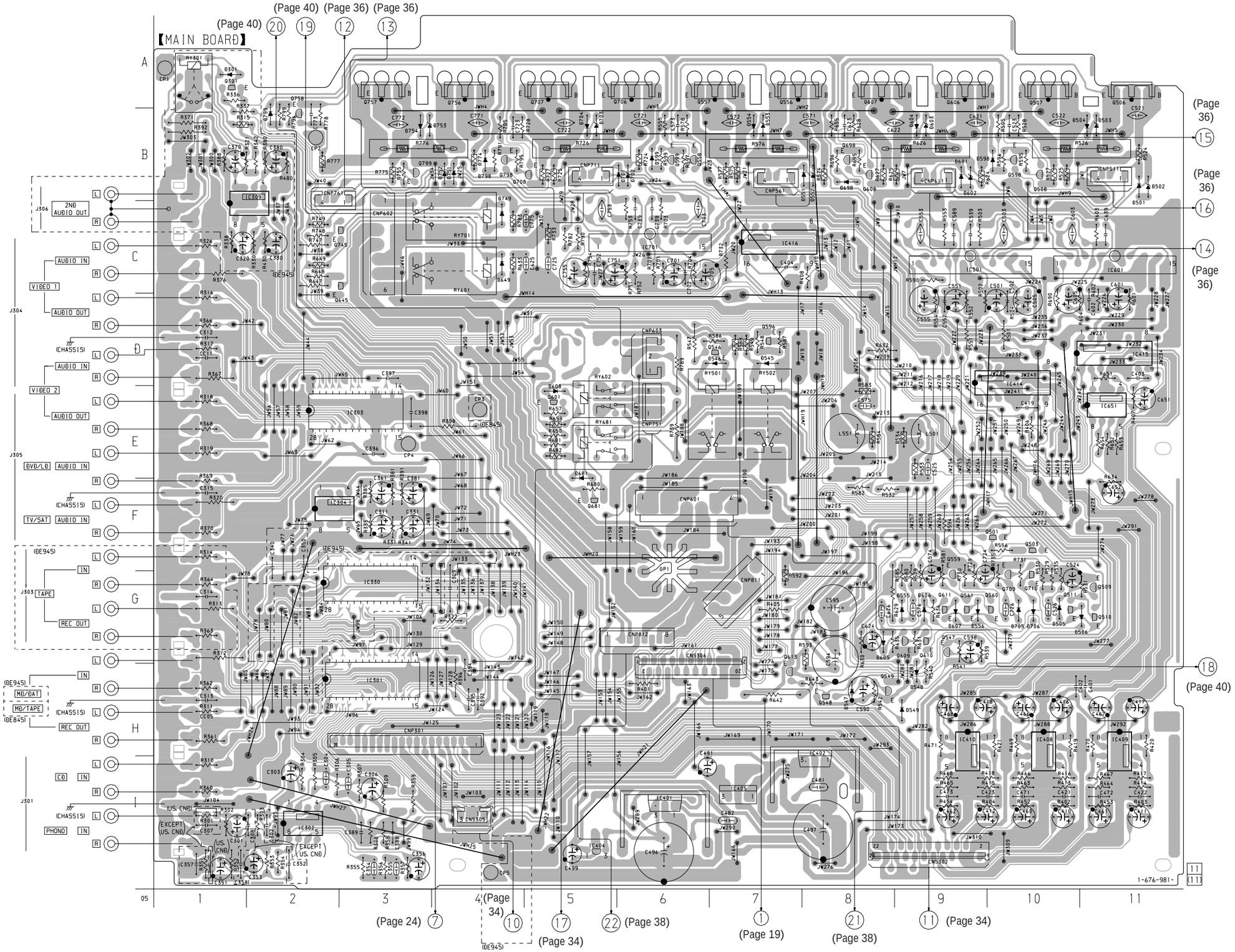
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

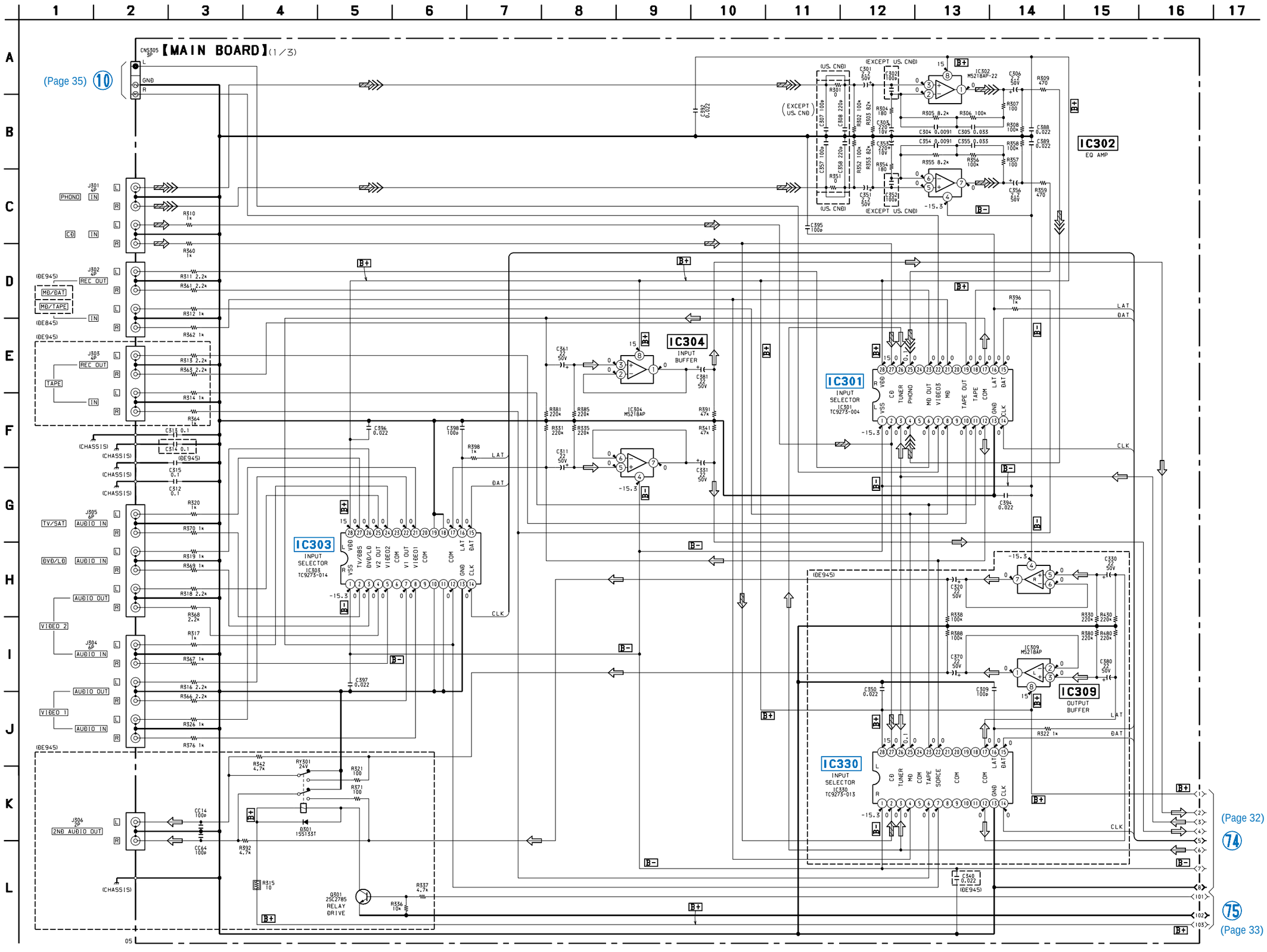
4-20. PRINTED WIRING BOARD – MAIN Board – • See page 14 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D301	A-1	IC408	H-10
D501	B-11	IC409	H-11
D502	B-11	IC410	H-9
D503	B-11	IC414	D-10
D504	B-11	IC415	D-11
D505	G-10	IC416	C-7
D506	G-11	IC501	C-9
D545	D-7	IC601	C-11
D546	D-7	IC651	E-11
D547	H-8	IC701	C-6
D548	H-9		
D549	H-9	Q301	A-1
D551	B-8	Q501	F-10
D552	B-8	Q503	F-10
D553	B-7	Q506	A-11
D554	B-7	Q507	A-10
D555	G-9	Q508	B-10
D556	G-9	Q509	G-11
D598	B-10	Q510	G-11
D599	B-6	Q511	G-10
D601	B-9	Q546	D-7
D602	B-9	Q547	G-9
D603	B-9	Q548	H-8
D604	B-9	Q549	H-8
D605	G-8	Q556	A-7
D606	G-9	Q557	A-7
D607	G-9	Q558	B-6
D608	E-5	Q559	G-9
D649	C-4	Q560	G-10
D681	E-5	Q561	G-9
D698	B-8	Q596	D-7
D701	B-6	Q598	B-10
D702	B-6	Q599	B-6
D703	B-5	Q601	E-5
D704	B-5	Q606	A-9
D705	G-10	Q607	A-8
D706	G-10	Q608	B-8
D749	C-4	Q609	G-9
D751	B-4	Q610	G-9
D752	B-4	Q611	G-9
D753	B-3	Q613	H-7
D754	B-3	Q645	C-3
D798	B-4	Q681	F-5
D799	B-2	Q698	B-8
		Q706	A-6
IC301	H-3	Q707	A-5
IC302	I-2	Q708	B-5
IC303	E-3	Q709	G-10
IC304	F-2	Q710	G-10
IC309	C-2	Q745	C-3
IC330	G-3	Q756	A-4
IC401	I-6	Q757	A-3
IC402	I-8	Q758	B-2
IC404	I-5	Q798	B-4
IC405	I-7	Q799	B-3

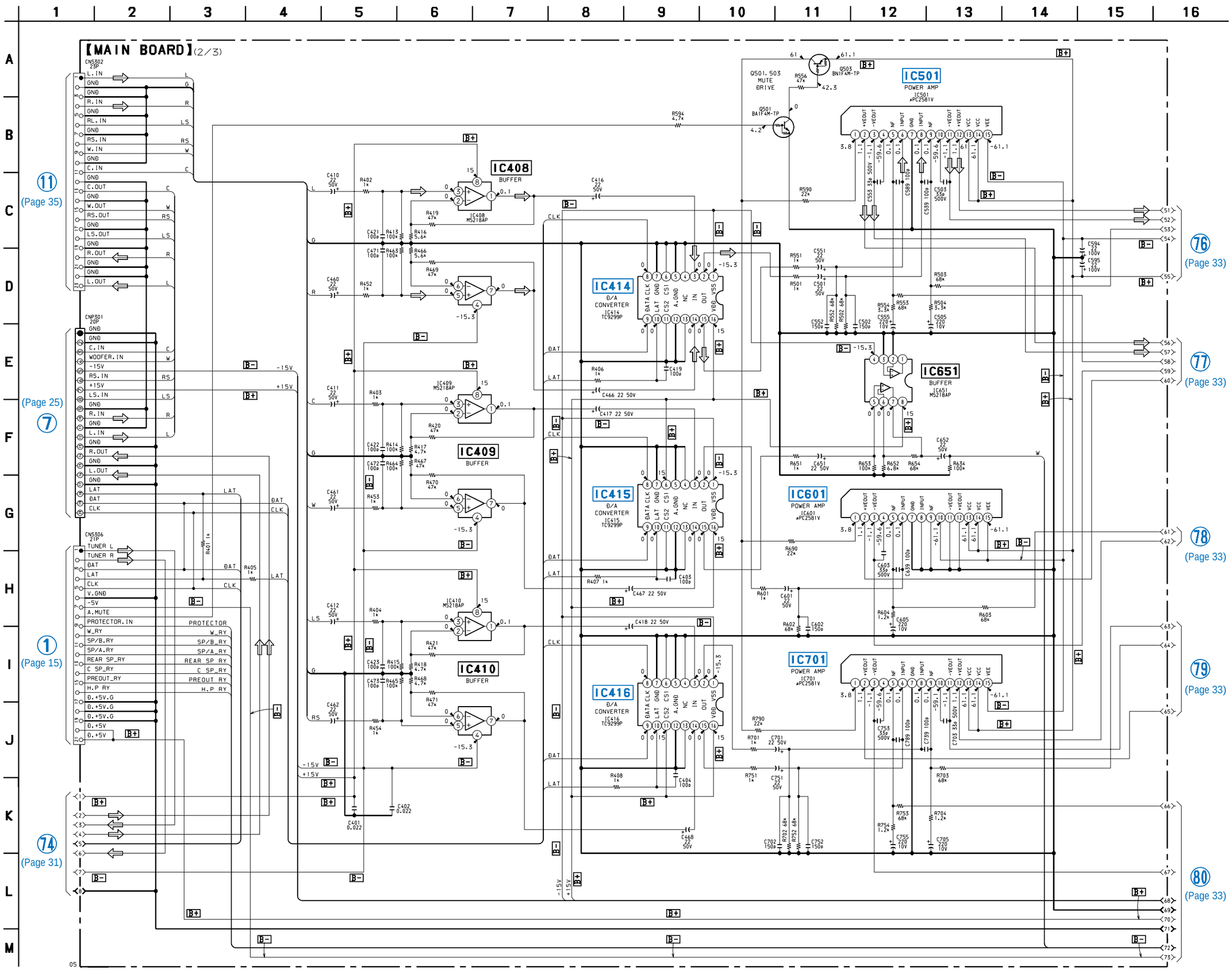


4-21. SCHEMATIC DIAGRAM – MAIN Board (1/3) – • See page 42 for IC Block Diagrams.

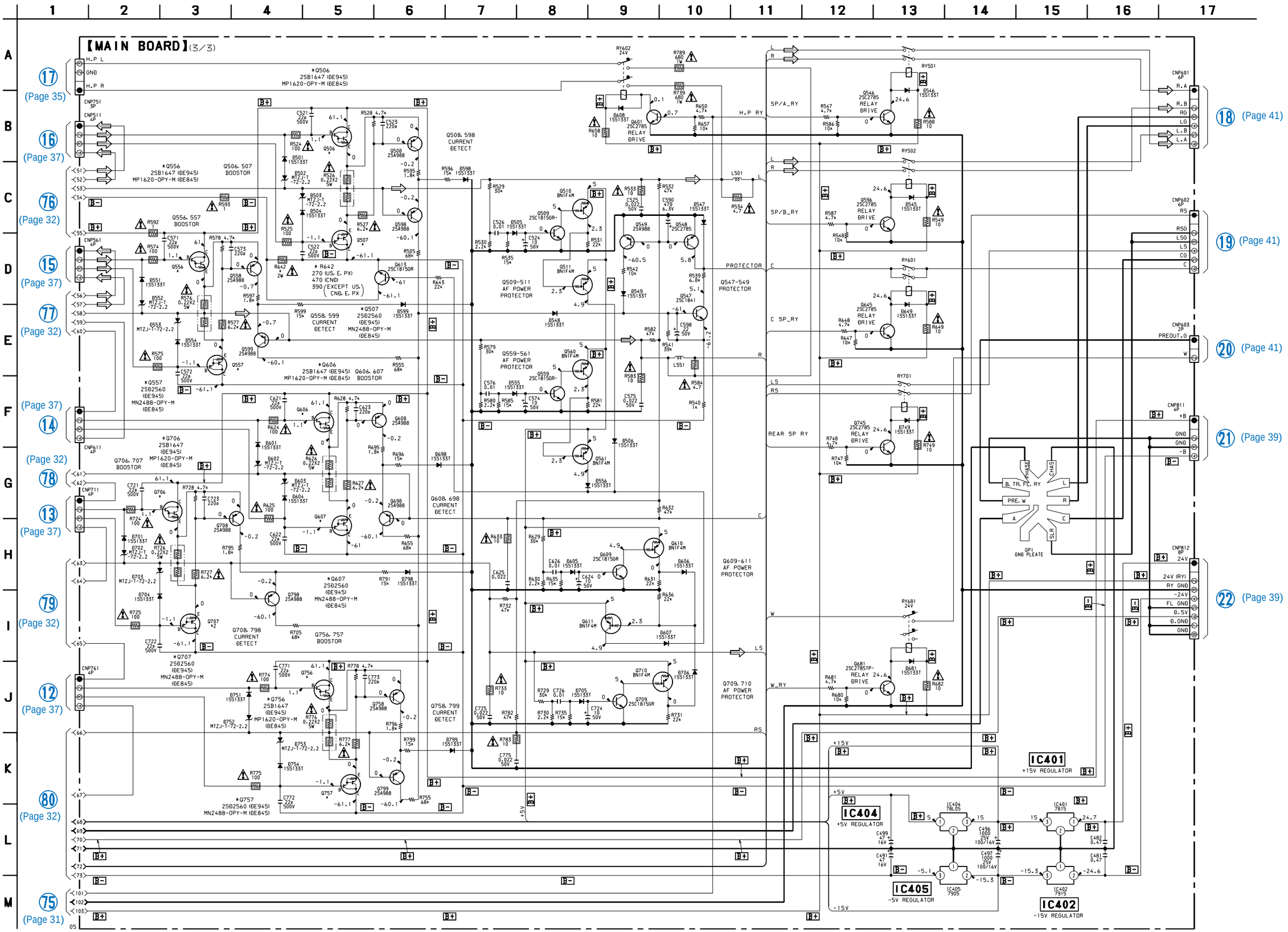


4-22. SCHEMATIC DIAGRAM – MAIN Board (2/3) –

• See page 42 for IC Block Diagrams.



4-23. SCHEMATIC DIAGRAM – MAIN Board (3/3) –



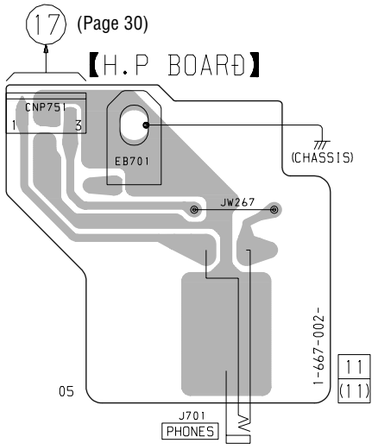
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

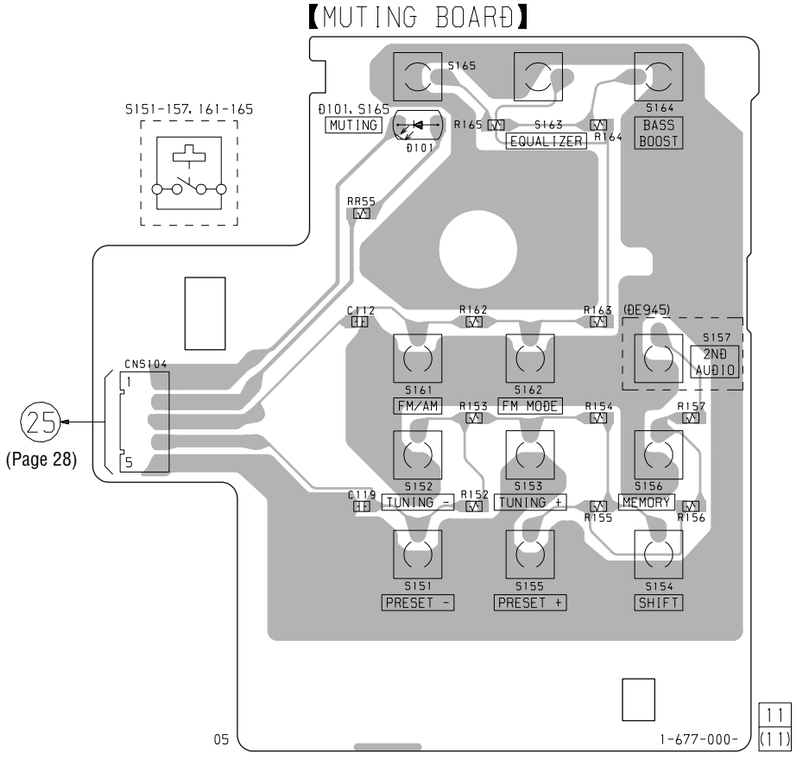
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

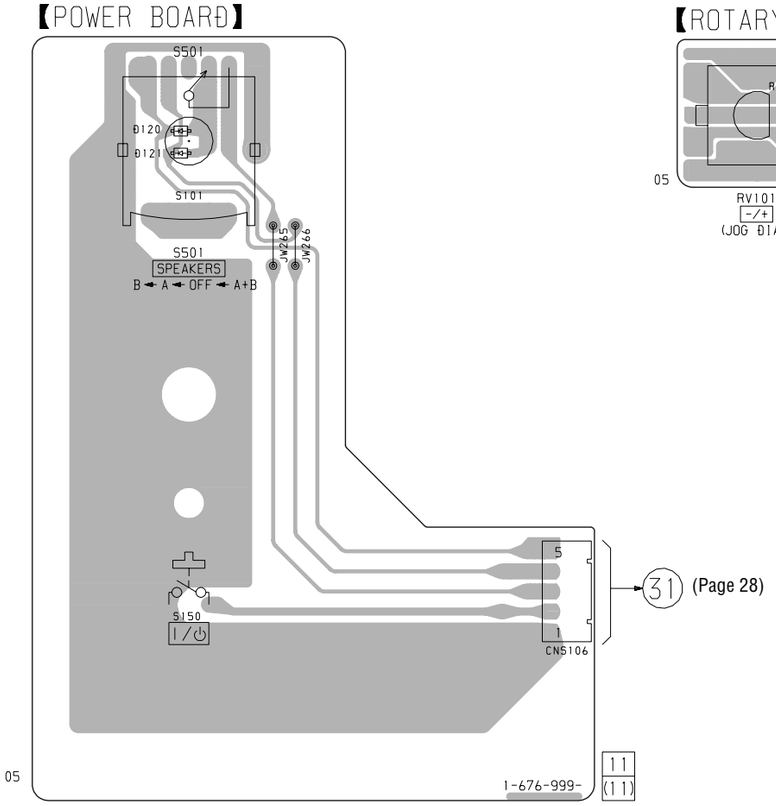
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

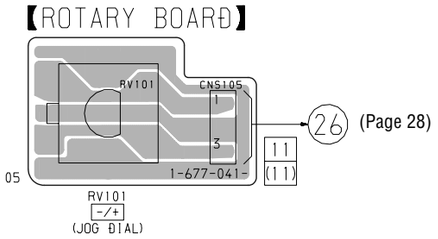
4-24. PRINTED WIRING BOARDS – H.P/MUTING/POWER/ROTARY/VIDEO 3 (DE945)/VOL/V. SWITCH (E) Boards –

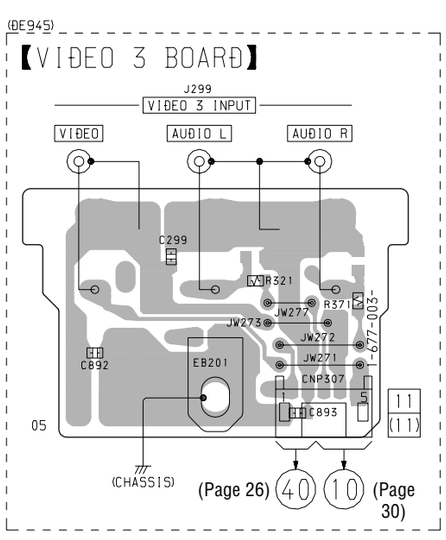
• See page 14 for Circuit Boards Location.

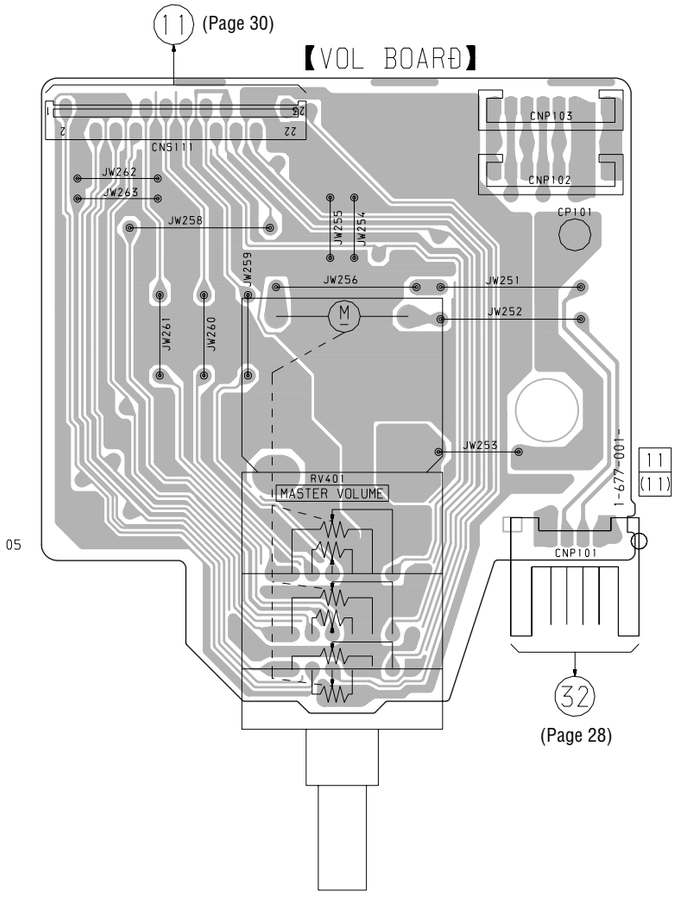


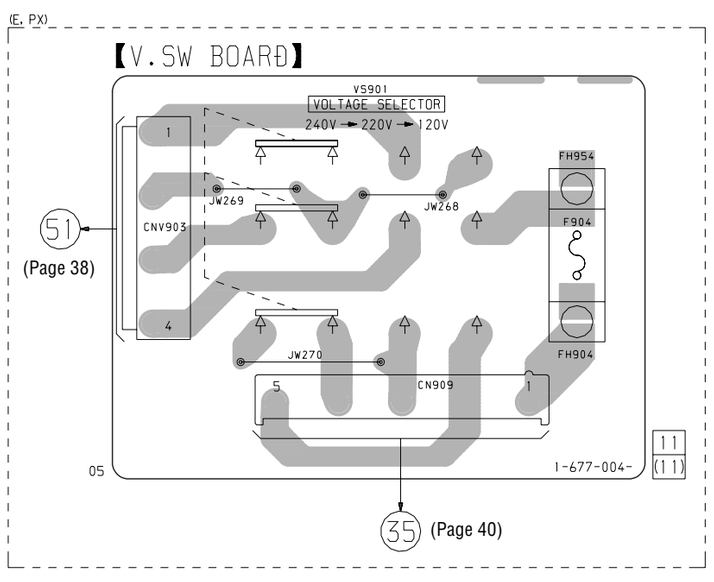


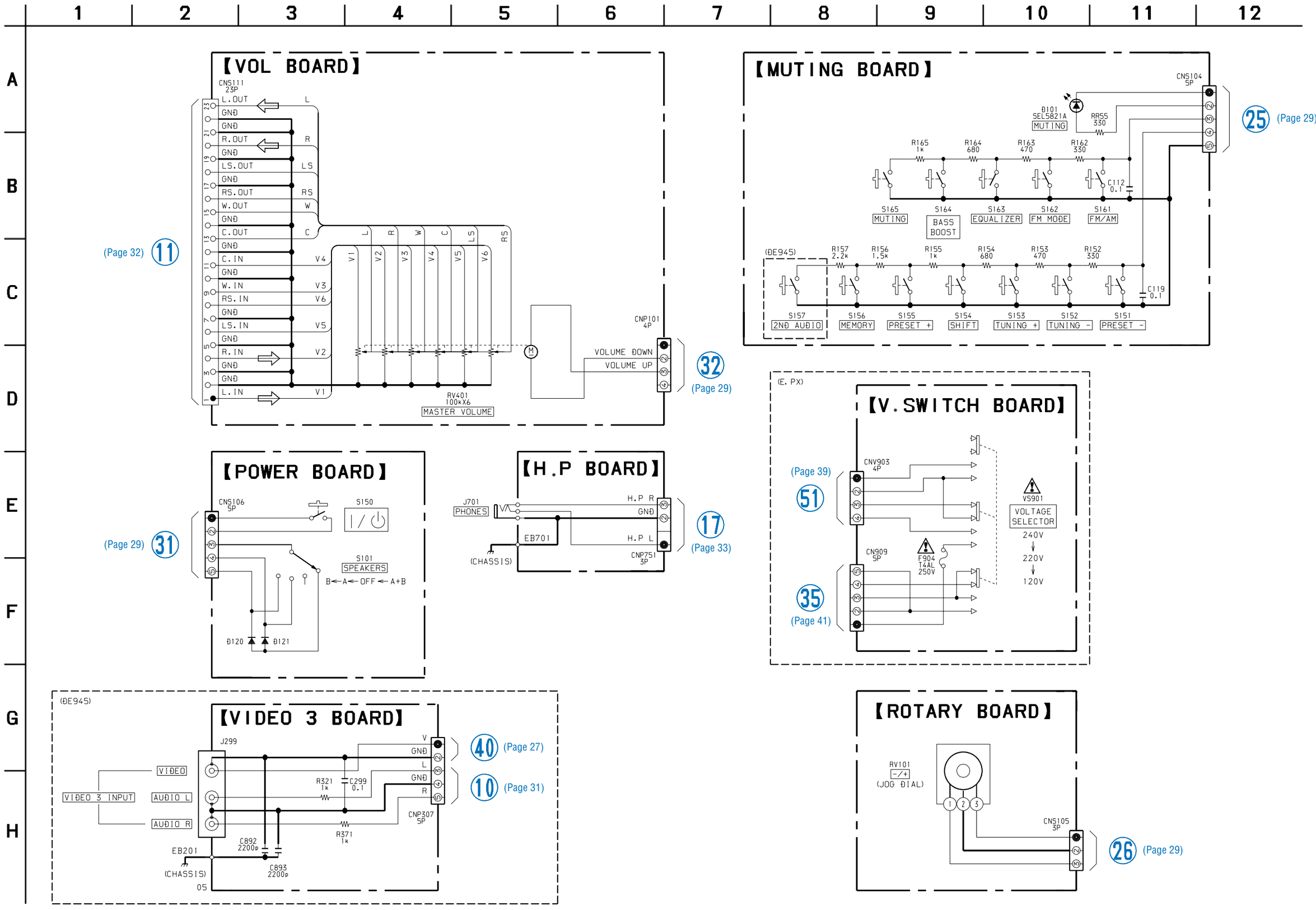












以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

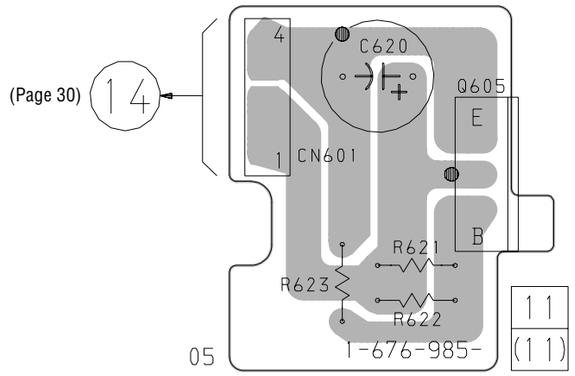
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

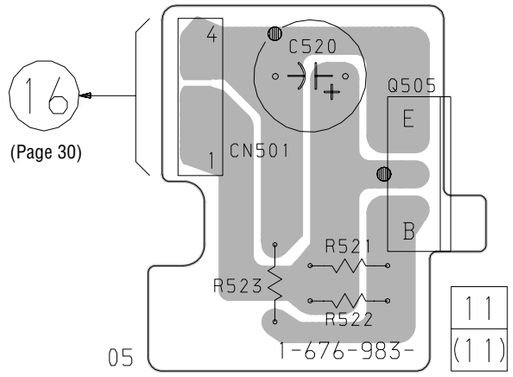
4-26. PRINTED WIRING BOARDS – BIAS (C)/BIAS (L)/BIAS (R)/BIAS (LS)/BIAS (RS)/5.1 IN Boards –

• See page 14 for Circuit Boards Location.

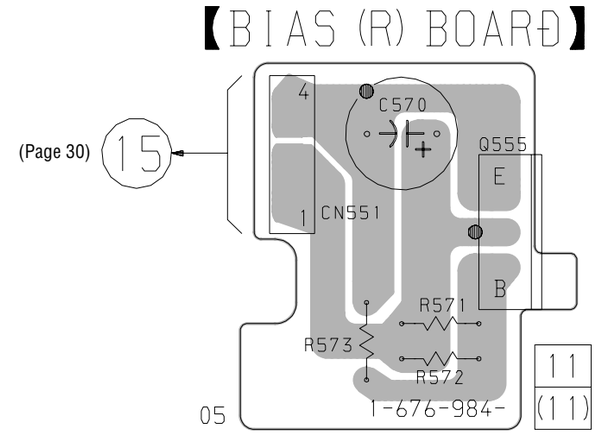
【BIAS (C) BOARD】



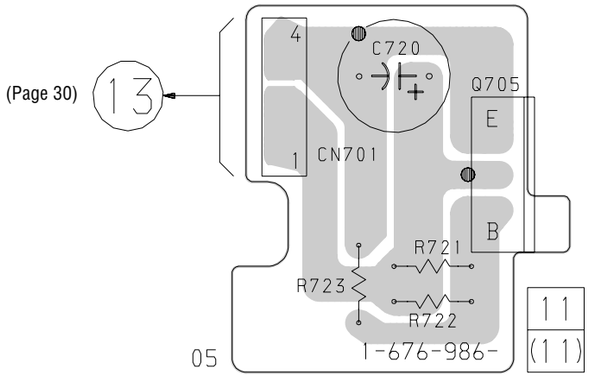
【BIAS (L) BOARD】



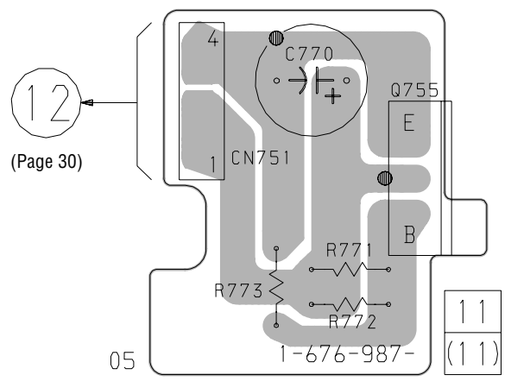
【BIAS (R) BOARD】



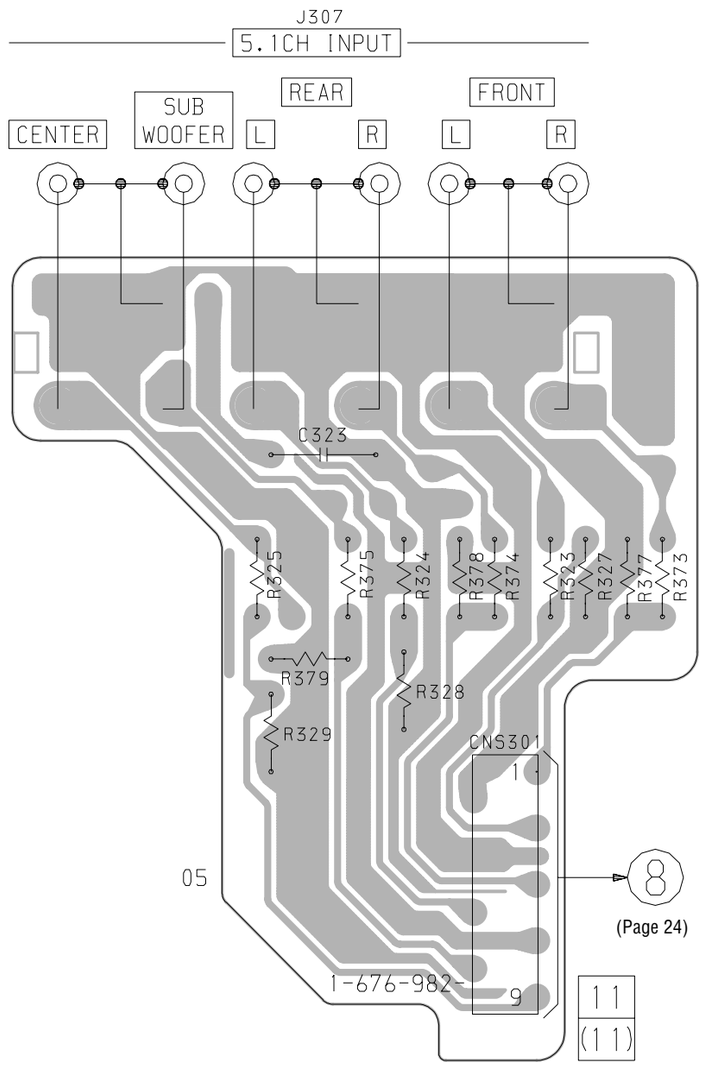
【BIAS (LS) BOARD】



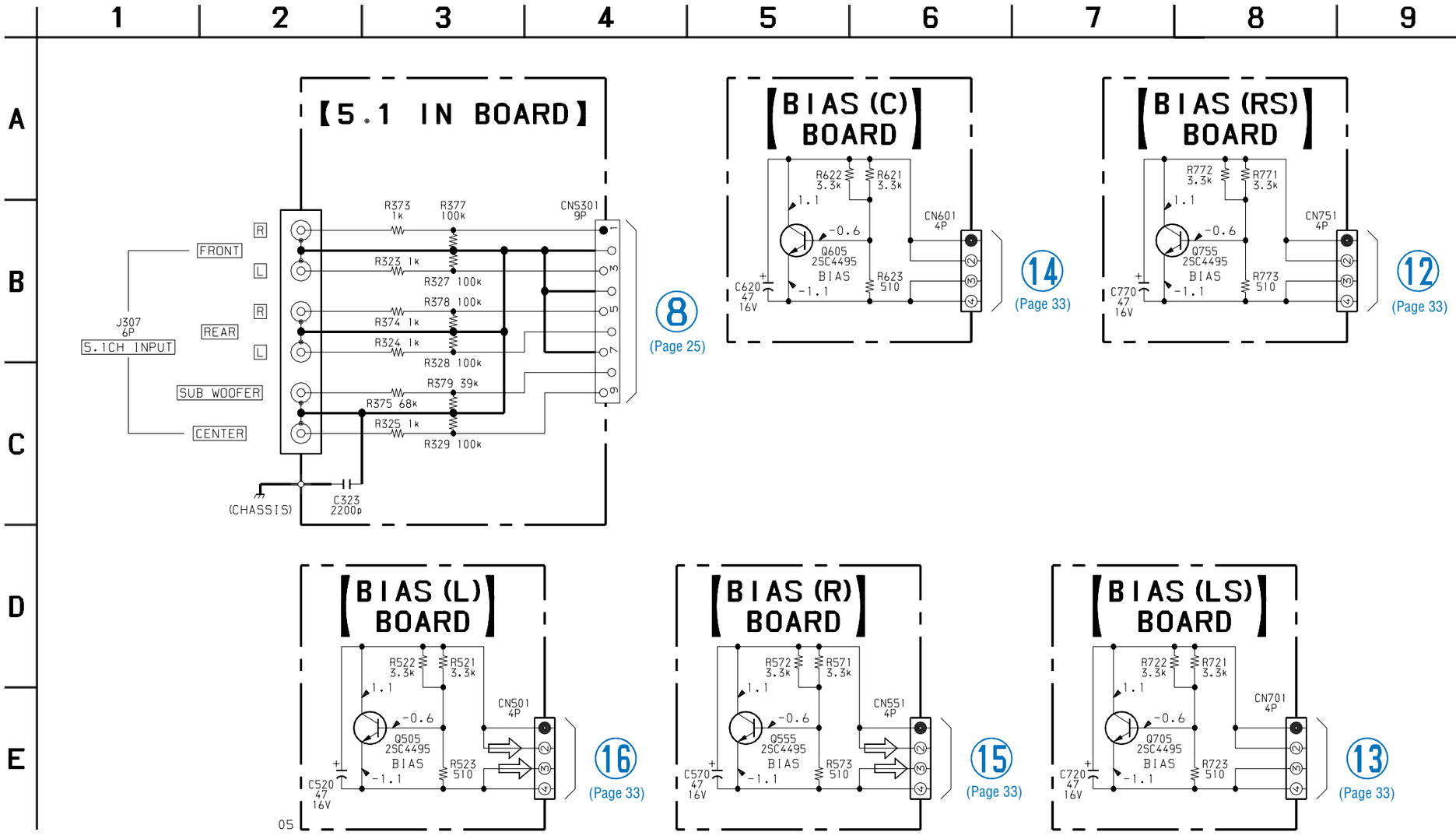
【BIAS (RS) BOARD】



【5.1 IN BOARD】



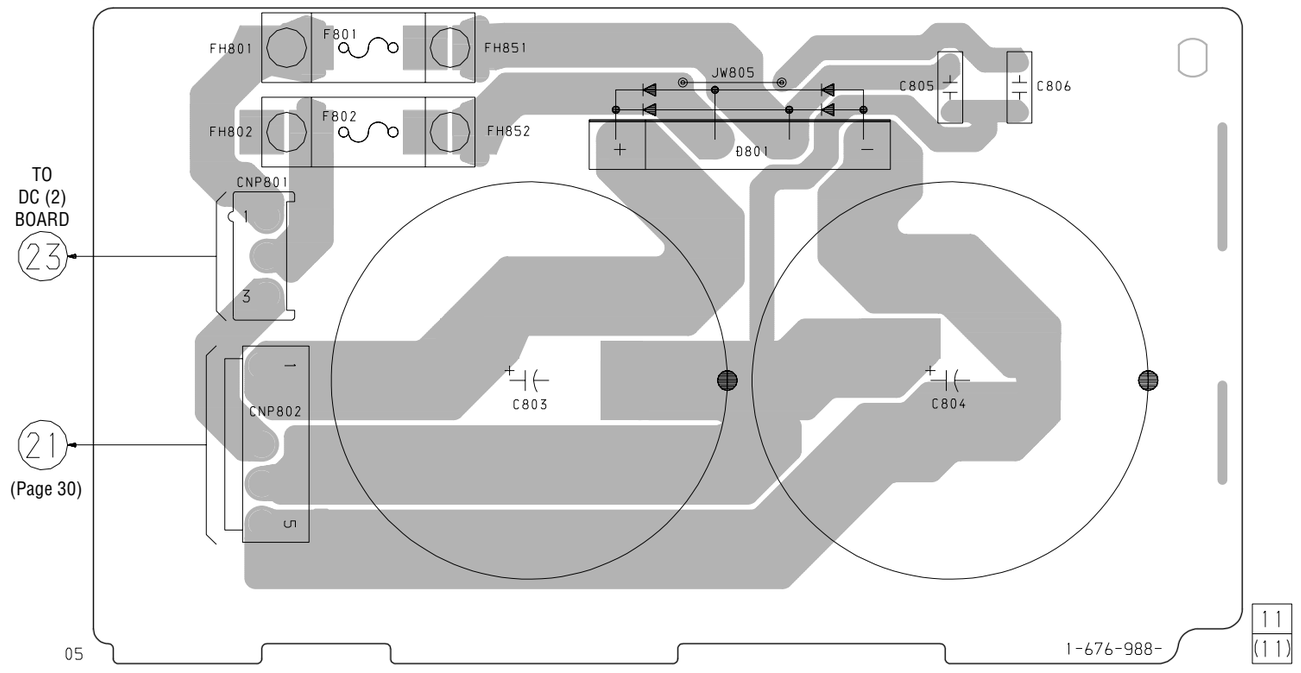
4-27. SCHEMATIC DIAGRAM – BIAS (C)/BIAS (L)/BIAS (R)/BIAS (LS)/BIAS (RS)/5.1 IN Boards –



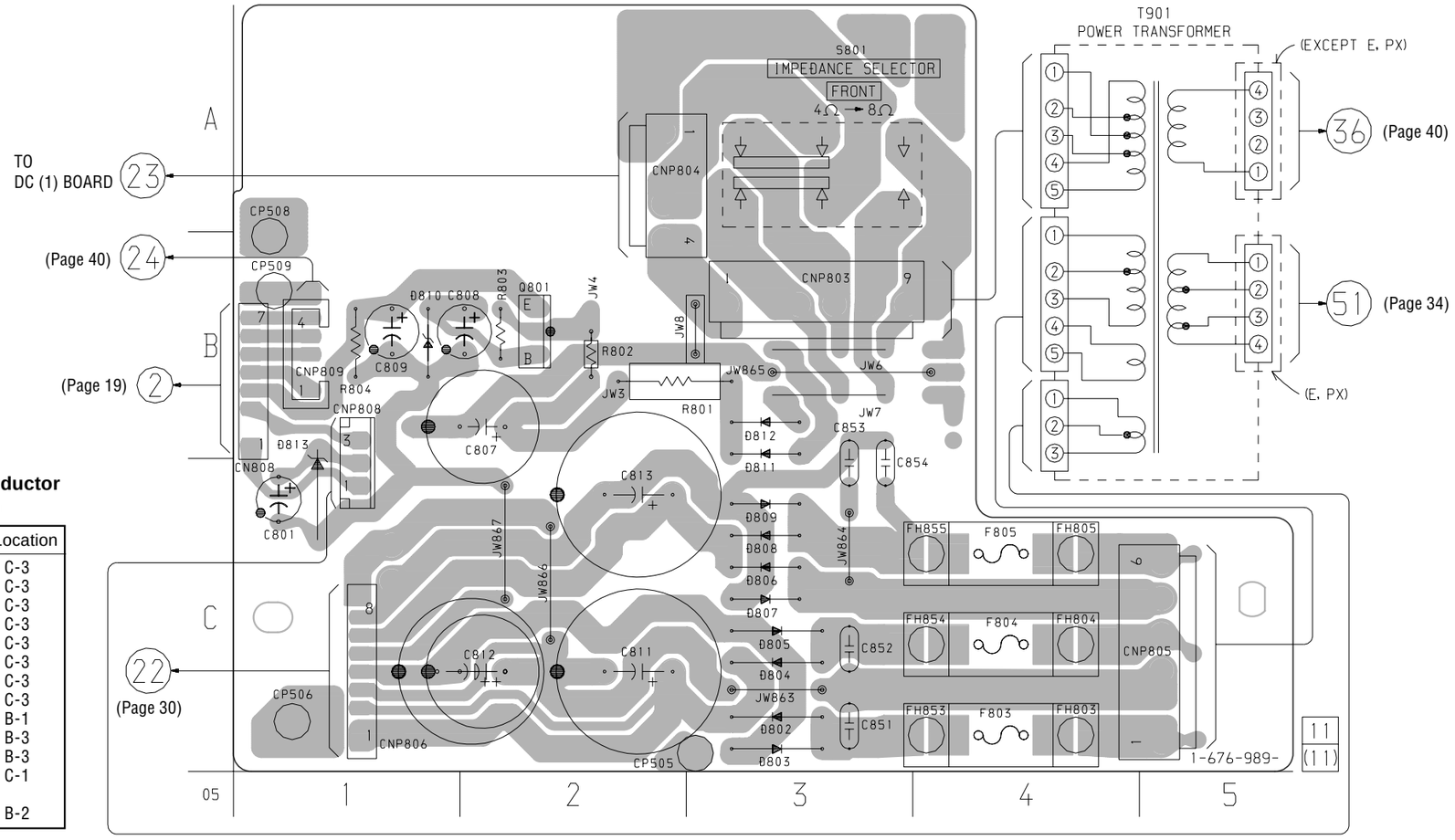
4-28. PRINTED WIRING BOARDS – DC (1)/DC (2) Boards –

• See page 14 for Circuit Boards Location.

【DC (1) BOARD】

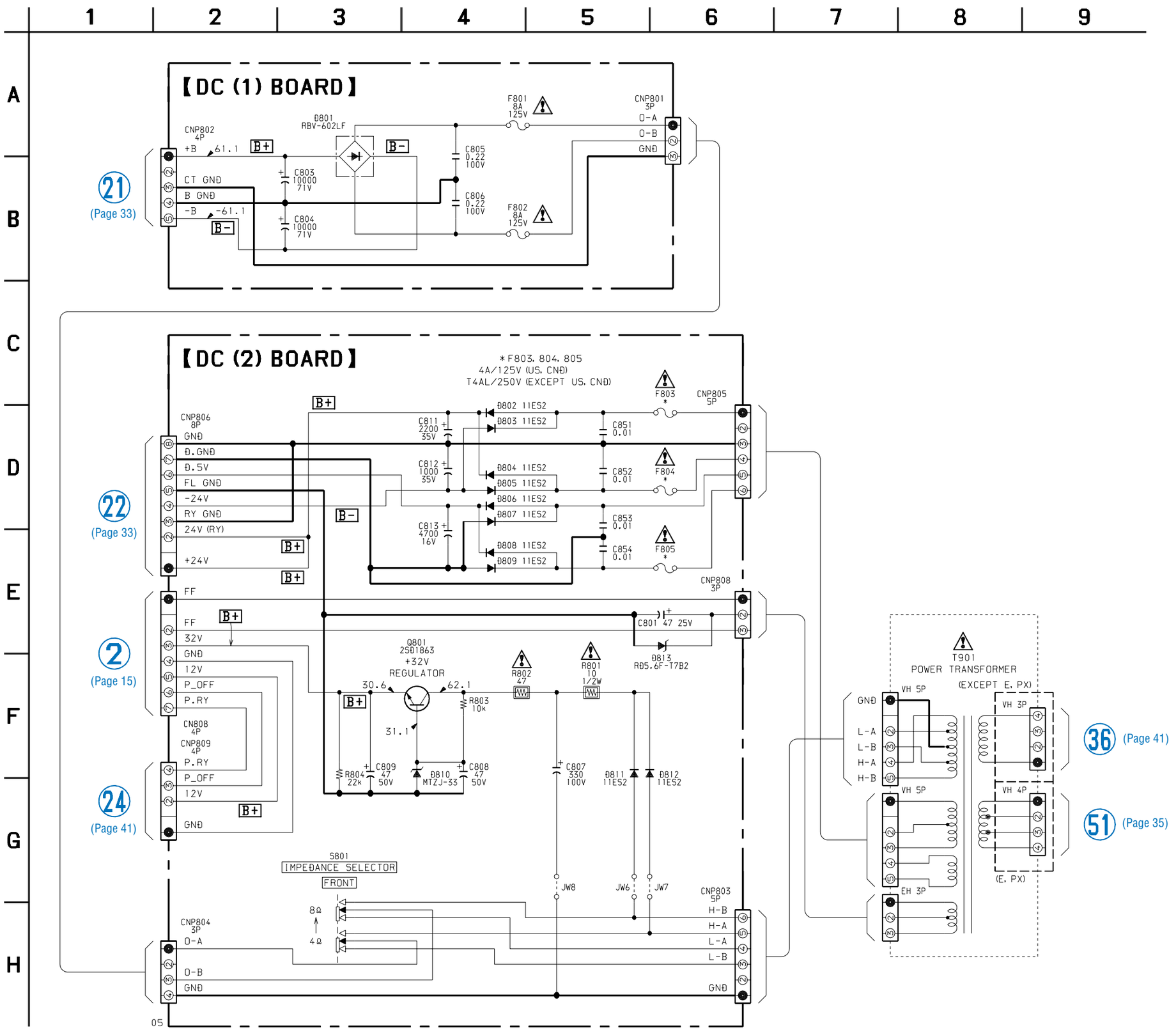


【DC (2) BOARD】



- **Semiconductor Location**

Ref. No.	Location
D802	C-3
D803	C-3
D804	C-3
D805	C-3
D806	C-3
D807	C-3
D808	C-3
D809	C-3
D810	B-1
D811	B-3
D812	B-3
D813	C-1
Q801	B-2



以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

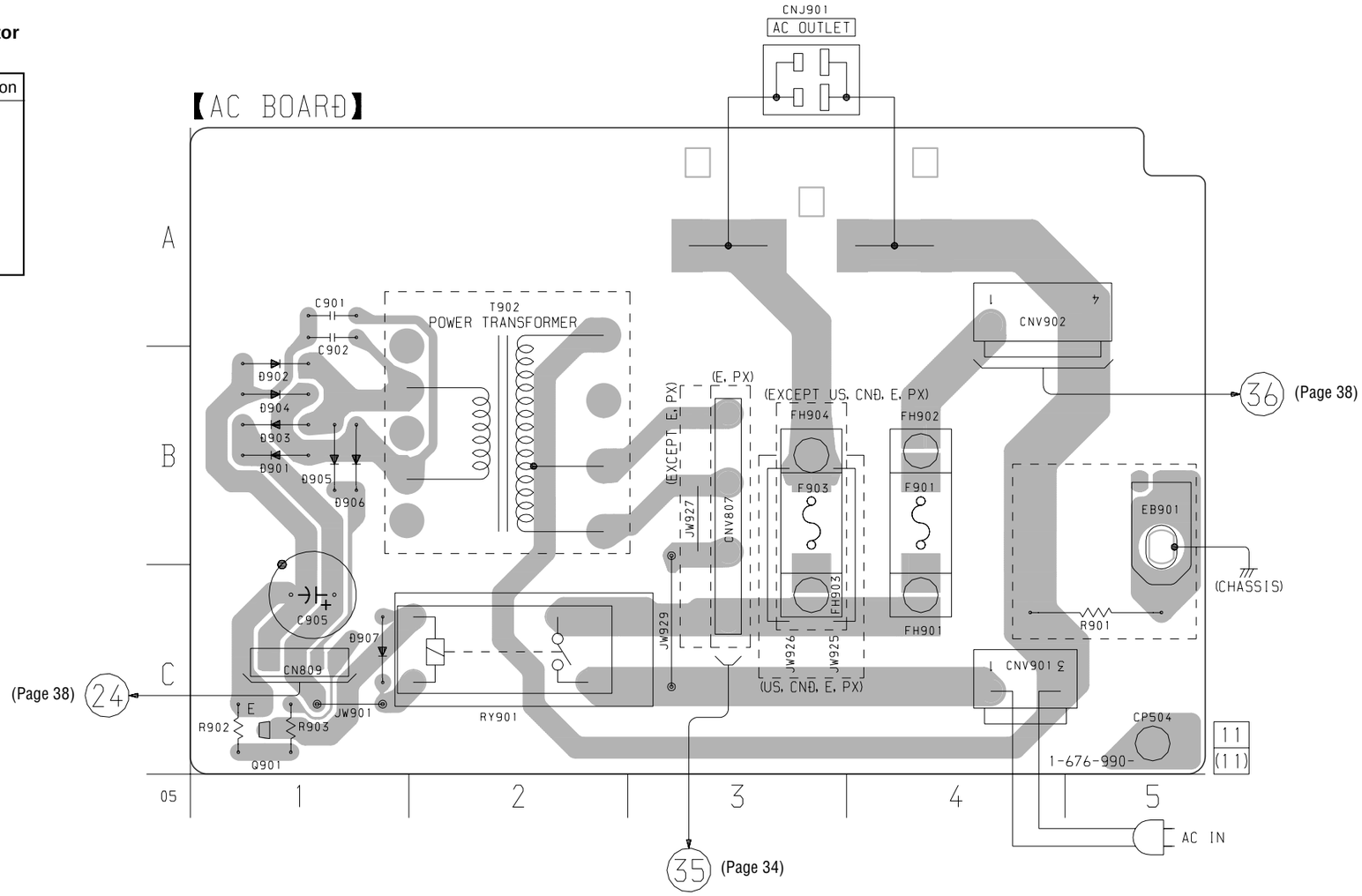
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

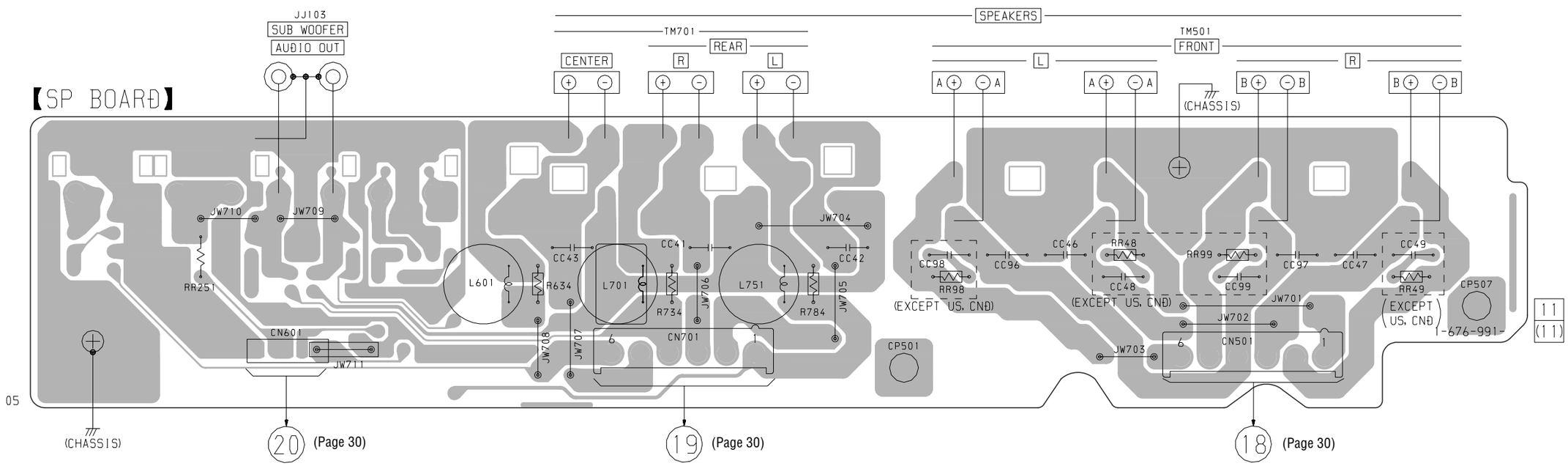
4-30. PRINTED WIRING BOARDS – AC/SP Boards –

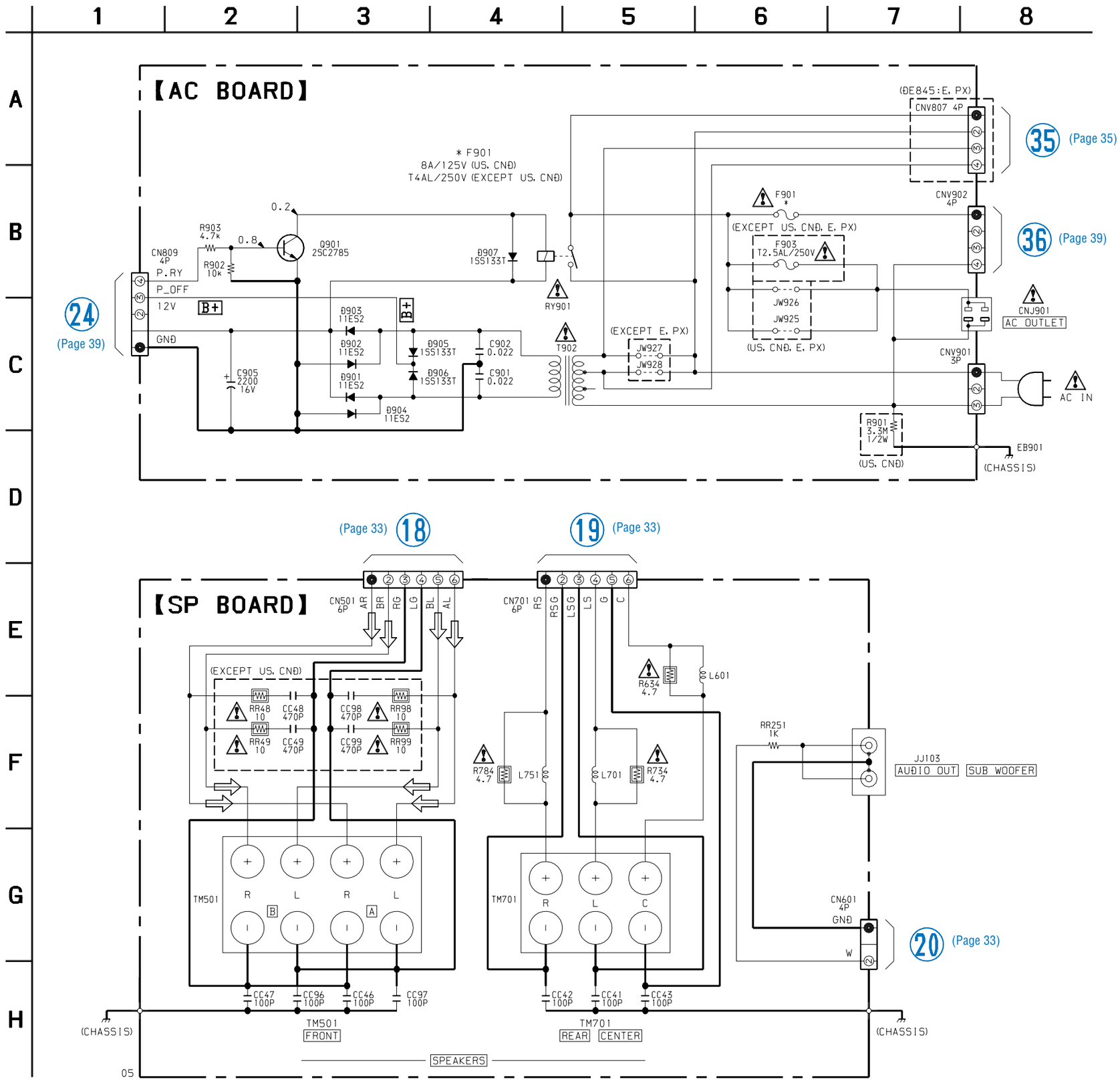
• See page 14 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
D901	B-1
D902	B-1
D903	B-1
D904	B-1
D905	B-1
D906	B-1
D907	C-1
Q901	C-1







以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

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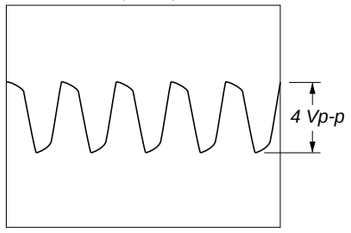
• **Waveforms**

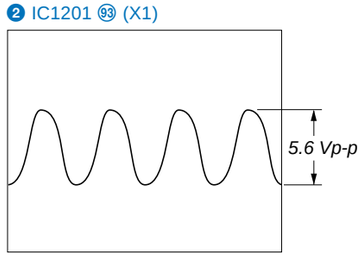
– DIGITAL Board –

❶ IC1401 ⑩⓪ (CLK0)



10 MHz

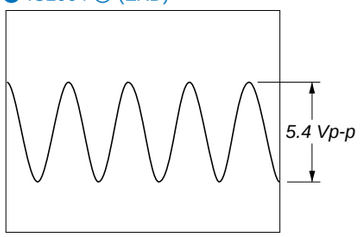
❶ IC1201 ⑨③ (X1)



16 MHz

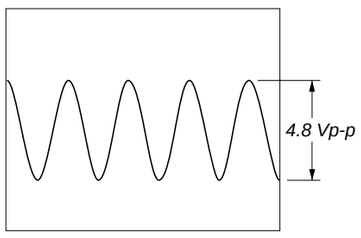
– OSD Board – (DE945)

❶ IC2004 ⑮ (EXD)



6.2 MHz

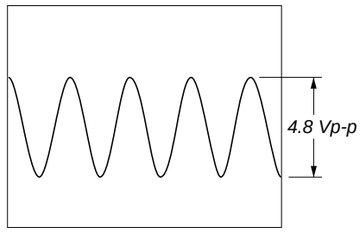
❷ IC2001 ⑨



14 MHz

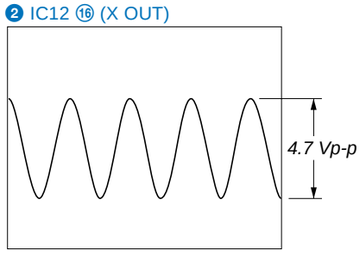
– DISPLAY Board –

❶ IC102 ⑧③ (XI)



16 MHz

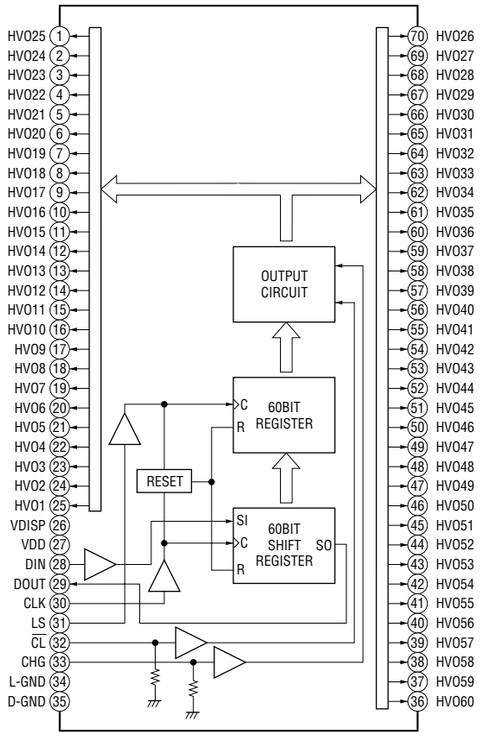
❷ IC12 ⑯ (X OUT)



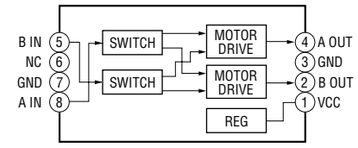
7.28 MHz

• **IC Block Diagrams**

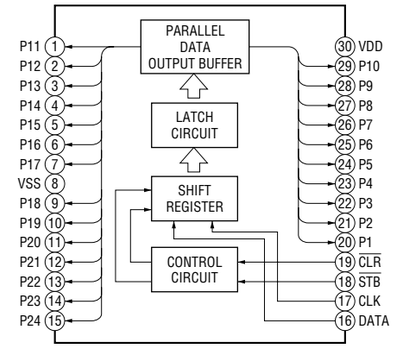
IC103 ML9261MBZ060 (DISPLAY Board)



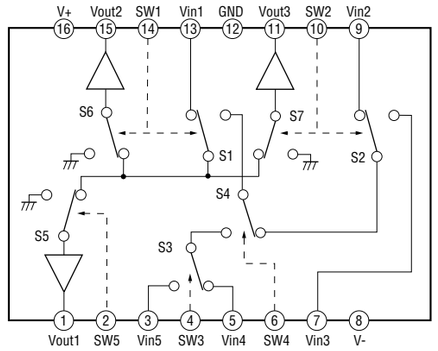
IC105 BA6208F-E2 (DISPLAY Board)



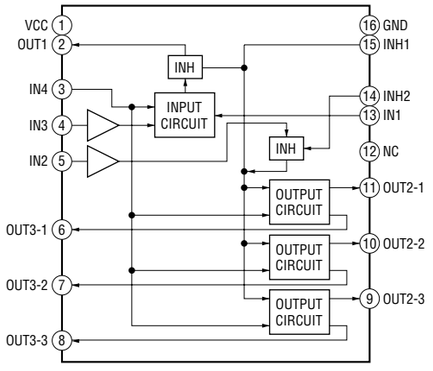
IC106 NJU3719L (DISPLAY Board)



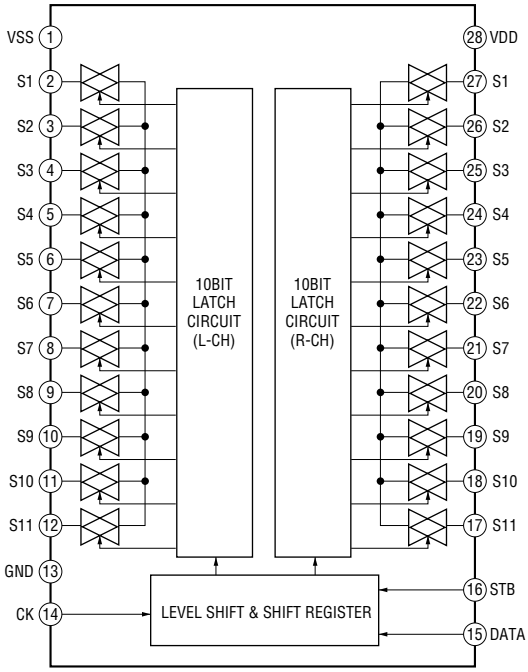
IC201 NJM2296D (VIDEO Board (DE845))
IC251, 252 NJM2296D (S-VIDEO Board (US, Canadian))
IC2005 NJM2296D (OSD Board (DE945))



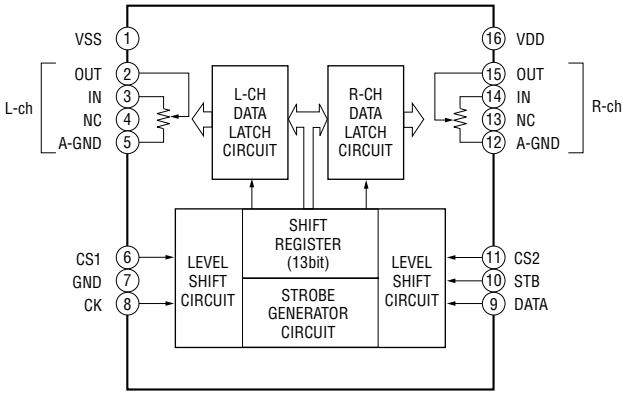
IC253 NJM2145D (S-VIDEO Board (US, Canadian))



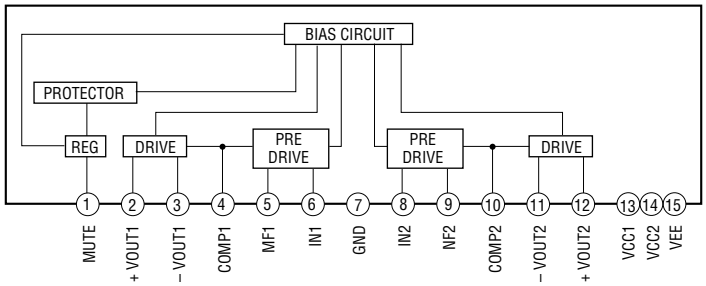
IC301 TC9273N-004 (MAIN Board)
IC303 TC9273N-014 (MAIN Board)
IC330 TC9273N-013 (MAIN Board (DE945))
IC1502 TC9273N-012 (EL) (AU SW Board)



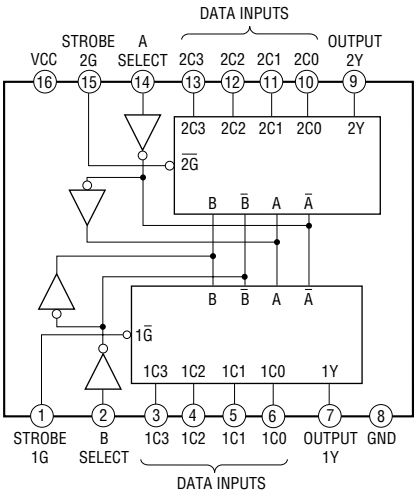
IC414-416 TC9299P (MAIN Board)



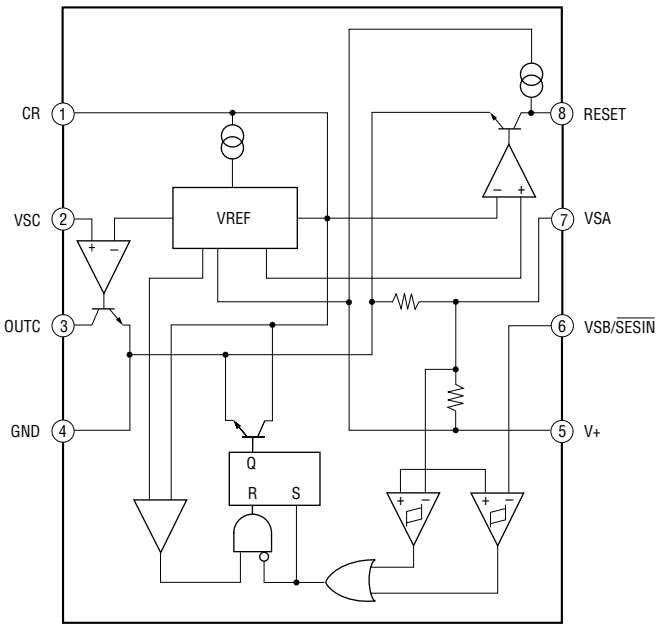
IC501, 601, 701 µPC2581V (MAIN Board)



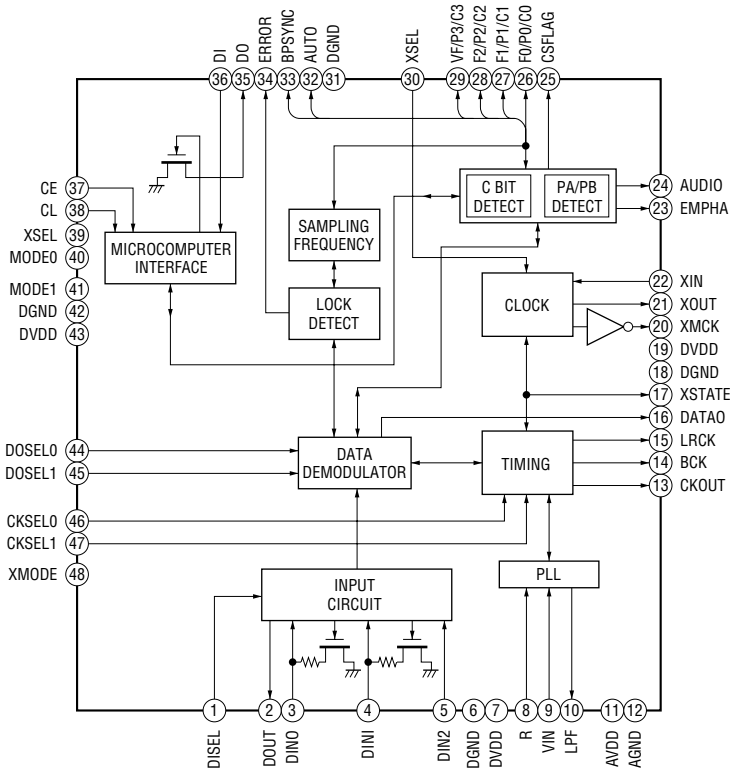
IC1005 TC74ACT153AF (EL) (DIGITAL Board)



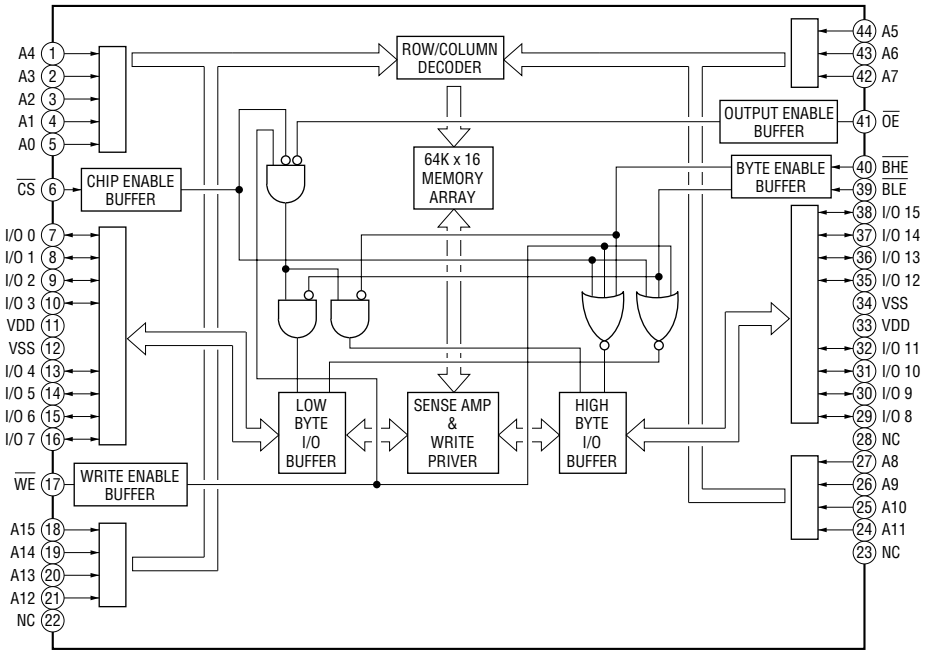
IC1206 NJM2103M-TE2 (DIGITAL Board)



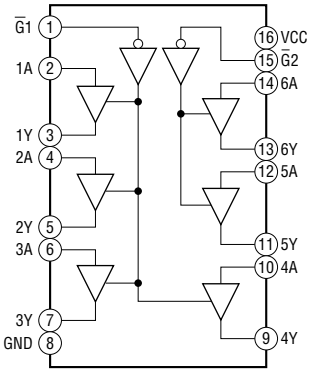
IC1101 LC89055W-RA8 (DIGITAL Board)



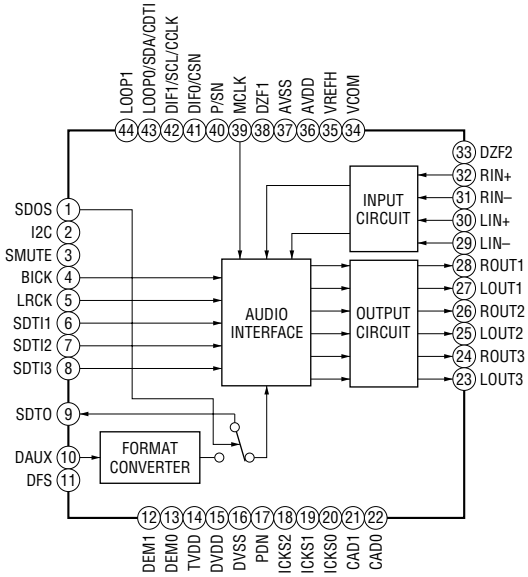
IC1402 IDT71V016S15PH-AUTL (DIGITAL Board)



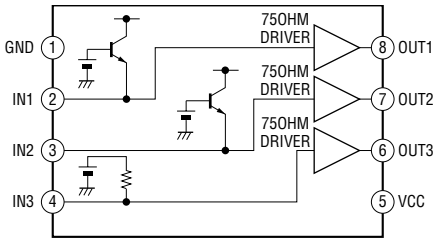
IC1403 TC74VHC367FT (EL) (DIGITAL Board)



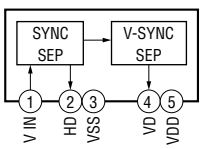
IC1503 AK4527 (DIGITAL Board)



IC2002 BA7622 (OSD Board (DE945))



IC2006, 2008 LA7213 (OSD Board (DE945))



4-32. IC PIN FUNCTION DESCRIPTION

• DIGITAL BOARD IC1101 LC89055W-RA8 (AUDIO INTERFACE RECEIVER)

Pin No.	Pin Name	I/O	Description
1	DISEL	I	Input data select terminal (fixed at “L” in this set)
2	DOUT	O	EIAJ data and parity output terminal Not used
3	DIN0	I	Amp integrate data input from the select switch (IC1005)
4	DIN1	O	Amp integrate data input terminal Not used (fixed at “L”)
5	DIN2	I	Amp integrate data input terminal Not used (fixed at “L”)
6	DGND	—	Ground terminal (digital system)
7	DVDD	—	Power supply terminal (+5V) (digital system)
8	R	I	Input terminal for VCO generator band adjustment
9	VIN	I	Input terminal for VCO self running frequency set
10	LPF	O	External LPF for PLL is connected to this terminal
11	AVDD	—	Power supply terminal (+5V) (analog system)
12	AGND	—	Ground terminal (analog system)
13	CK OUT	O	Clock signal output to the A/D, D/A converter (IC1503)
14	BCK	O	Bit clock signal output to the A/D, D/A converter (IC1503), dolby digital audio decoder (IC1301), and audio DSP (IC1401)
15	LRCK	O	Clock signal output to the A/D, D/A converter (IC1503), dolby digital audio decoder (IC1301), and audio DSP (IC1401)
16	DATAO	O	Audio data output to the dolby digital audio decoder (IC1301)
17	XSTATE	O	Clock status flag output to the system controller (IC1201)
18	DGND	—	Ground terminal (digital system)
19	DVDD	—	Power supply terminal (+5V) (digital system)
20	XMCK	O	Not used (open)
21	XOUT	O	Clock output terminal Not used (open)
22	XIN	I	Clock input from the clock oscillator (IC1404) (12.288MHz)
23	EMPHA	O	Emphasis monitor output terminal “H”: on Not used
24	AUDIO	O	Terminal for check
25	CSFLAG	O	Not used (open)
26	F0/P0/C0	O	Terminal for check
27	F1/P1/C1	O	Terminal for check
28	F2/P2/C2	O	Terminal for check
29	F3/P3/C3	O	Terminal for check
30	DVDD	—	Power supply terminal (+5V) (digital system)
31	DGND	—	Ground terminal (digital system)
32	AUTO	O	Not used (open)
33	BPSYNC	O	Not used (open)
34	ERROR	O	Error mute output to the system controller (IC1201)
35	DO	O	C-bit output to the system controller (IC1201)
36	DI	I	Data input from the system controller (IC1201)
37	CE	I	Chip enable signal input from the system controller (IC1201)
38	CLK	I	Clock signal input from the system controller (IC1201)
39	XSEL	I	Clock select terminal (fixed at “H” in this set)
40	MODE0	I	Mode 0 input terminal (fixed at “L” in this set)
41	MODE1	I	Mode 1 input terminal (fixed at “L” in this set)
42	DGND	—	Ground terminal (digital system)
43	DVDD	—	Power supply terminal (+5V) (digital system)

Pin No.	Pin Name	I/O	Description
44	DOSEL0	O	Data select 0 output terminal (fixed at “L” in this set)
45	DOSEL1	O	Data select 1 output terminal (fixed at “L” in this set)
46	CKSEL0	I	System clock select 0 input terminal (fixed at “L” in this set)
47	CKSEL1	I	System clock select 1 input terminal (fixed at “L” in this set)
48	XMODE	I	Reset signal input from the system controller (IC1201)

• DIGITAL BOARD IC1201 MB90573PFV-G-296-BND (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	SCLK	O	Serial clock signal output to the dolby digital audio decoder (IC1301)
2	SI	I	Serial data input from the dolby digital audio decoder (IC1301)
3	SO	O	Serial data output to the dolby digital audio decoder (IC1301)
4	CS	O	Chip select signal output to the dolby digital audio decoder (IC1301)
5	IC	O	Reset signal output to the dolby digital audio decoder (IC1301)
6	DSIG	I	Data detect signal input from the digital audio interface receiver (IC1101)
7	NC	O	Not used (fixed at “L”)
8	VCC	—	Power supply terminal (+5V)
9	SIN0	I	UART signal input from the display controller (IC102)
10	SOT0	O	UART signal output to the display controller (IC102)
11, 12	NC	O	Not used (fixed at “L”)
13	XHDWR	O	Data write output to the audio DSP (IC1401)
14	XHDRD	O	Data read output terminal Not used (fixed at “L”)
15	SOD	I	Serial data input from the audio DSP (IC1401)
16	XHDCS	O	Chip select signal output to the audio DSP (IC1401)
17 to 24	HD7 to HD0	O	Two-way data bus with the audio DSP (IC1401)
25	HA0	O	Address data output to the audio DSP (IC1401)
26	XRST	O	Reset signal output to the audio DSP (IC1401)
27	HRDY	O	Ready signal output to the audio DSP (IC1401)
28	CS	O	Chip select signal output to the A/D, D/A converter (IC1503)
29	CCLK	O	Clock signal output to the A/D, D/A converter (IC1503)
30	CDTI	I	Data input from the A/D, D/A converter (IC1503)
31	SMUTE	O	Soft mute signal output to the A/D, D/A converter (IC1503)
32	PD	O	Reset signal output to the A/D, D/A converter (IC1503)
33	VSS	—	Ground terminal
34	C	—	External power regulator capacitor is connected terminal
35	96kHz	O	Dfs signal output to the A/D, D/A converter (IC1503)
36, 37	NC	I	Not used (fixed at “L”)
38	DVCC	—	Power supply terminal (+5V) (digital system)
39	DVSS	—	Ground terminal (digital system)
40, 41	NC	O	Not used (fixed at “L”)
42	AVCC	—	Power supply terminal (+5V) (analog system)
43	AVR+	—	Power supply terminal (+5V)
44	AVR–	—	Ground terminal
45	AVSS	—	Ground terminal (analog system)
46	EVSTB	O	Serial strobe output to the select switch circuit
47	EVDATA	O	Serial data output to the select switch circuit
48	EVCLK	O	Serial clock output to the select switch circuit
49	DISPMR	I	Display master request signal input from the display controller (IC102)
50	DISPDATA	I	Display master data input from the display controller (IC102)
51	SLVDTA/REQ	O	Slave data/request output to the display controller (IC102)
52	DISPCLK	I	Display master clock input from the display controller (IC102)
53	NC	I	Not used (fixed at “L”)
54	VCC	—	Power supply terminal (+5V)
55	SLAT	O	Tuner latch signal output to the FM/AM tuner unit (TM301)

Pin No.	Pin Name	I/O	Description
56	SDATA	O	Tuner data output to the FM/AM tuner unit (TM301)
57	SCLK	O	Tuner clock signal output to the FM/AM tuner unit (TM301)
58	DATA IN	I	PLL data input from the FM/AM tuner unit (TM301)
59	AUSTOP	I	Tuned display detection signal input from the FM/AM tuner unit (TM301)
60	STEREO	I	Stereo detection signal input from the FM/AM tuner unit (TM301)
61, 62	NC	I	Not used (fixed at “L”)
63	VSS	—	Ground terminal
64	NC	I	Not used (fixed at “L”)
65	TH	I	Protect signal input terminal (fixed at “L” in this set)
66	PROTEC	I	Over load detect signal input from the protect circuit “L”: protect detect
67	STOP	I	AC power check signal input from the power control (IC1206)
68 to 71	NC	I	Not used (fixed at “L”)
72	VIDEO (SW4)	O	Video select (SW4) signal output to the video select switch (IC251, 252)
73	X1A	—	Not used (open)
74	X0A	—	Not used (open)
75	VIDEO (SW3)	O	Video select (SW3) signal output to the video select switch (IC251, 252)
76	VIDEO (SW2)	O	Video select (SW2) signal output to the video select switch (IC251, 252)
77	VIDEO (SW1)	O	Video select (SW1) signal output to the video select switch (IC251, 252)
78	$\overline{\text{HI-FI}}$/QS	I	Model check detection input terminal “L”: HI-FI “H”: QS
79	TAPE NO/$\overline{\text{YES}}$	I	Tape no/yes signal detection input terminal “L”: tape yes “H”: tape no
80	VIDEO 3 NO/$\overline{\text{YES}}$	I	VIDEO 3 no/yes signal detection input terminal “L”: VIDEO 3 yes “H”: VIDEO 3 no
81	DTS NO/$\overline{\text{YES}}$	I	DTS no/yes signal detection input terminal “L”: DTS yes “H”: DTS no
82	ACMUTE	O	Muting control signal output to the power amp (IC501, 601, 701)
83	96K NO/$\overline{\text{YES}}$	I	96K no/yes signal detection input terminal Not used
84	TMUTE	O	Tuner muting control signal output to the FM/AM tuner unit (TM301) “H”: muting
85	SMUTE	O	Surround muting control signal output to the AF amp (IC1508, 1509, 1510)
86	HSTX	—	Hardware standby terminal (fixed at “H” in this set)
87	MD2	O	MD2 signal output to the display controller (IC102)
88	MD1	O	MD1 signal output terminal (fixed at “H” in this set)
89	MD0	O	MD0 signal output to the display controller (IC102)
90	REST	I	Reset signal input from the display controller (IC102)
91	VSS	—	Ground terminal
92	XO	O	Main system clock output terminal (16MHz)
93	XI	I	Main system clock input terminal (16MHz)
94	VCC	—	Power supply terminal (+5V)
95, 96	PO0, PO1	I	Rewrite terminal for the flash memory Not used (fixed at “L”)
97	RY-4/8	O	4/8 relay drive signal out put terminal Not used (open)
98	RY-PRE	O	Pre amp relay drive signal output terminal “H”: relay on
99	RY-FRONT/A	O	Front speaker A relay drive signal output terminal “H”: relay on
100	RY-FRONT/B	O	Front speaker B relay drive signal output terminal “H”: relay on
101	RY-CENTER	O	Center speaker relay drive signal output terminal “H”: relay on
102	RY-REAR	O	Rear speaker relay drive signal output terminal “H”: relay on
103	RY-WOOFER	O	Rear woofer relay drive signal output terminal “H”: relay on
104	RY-HP	O	Headphone relay drive signal output terminal “H”: relay on
105	RY-POWER	O	Power relay drive signal output terminal “H”: relay on
106	$\overline{\text{ANG}}$/DIG	O	Analog/digital select signal output terminal “L”: analog “H”: digital

Pin No.	Pin Name	I/O	Description
107	DIG-INB	O	Digital input select B control signal output to the select switch (IC1005)
108	DIG-INA	O	Dgital input select A control signal output to the select switch (IC1005)
109	XMODE	O	Reset signal output to the digital audio interface receiver (IC1101)
110	CL	O	Clock signal output to the digital audio interface receiver (IC1101)
111	CE	O	Chip enable signal output to the digital audio interface receiver (IC1101)
112	DI	O	Data output to the digital audio interface receiver (IC1101)
113	DO	I	Data input from the digital audio interface receiver (IC1101)
114	ERROR	I	Error signal input from the digital audio interface receiver (IC1101)
115 to 111	NC	I	Not used (fixed at “L”)
118	XSTATE	I	Clock status flag signal input from the digital audio interface receiver (IC1101)
119	VSS	—	Ground terminal
120	NC	I	Not used (fixed at “L”)

• DIGITAL BOARD IC1401 CXD2712R (AUDIO DSP)

Pin No.	Pin Name	I/O	Description
1	VSS3	—	Ground terminal
2 to 5	SOA to SOD	O	Serial data output to the A/D, D/A converter
6, 7	ECJ0, ECJ1	I	Conditional jump input terminal (fixed at "L" in this set)
8	NC	O	Not used (fixed at "L")
9	XHDWR	I	Write data input from the system controller (IC1201)
10	XHDRD	I	Read data input terminal Not used (fixed at "H")
11	VSS4	—	Ground terminal
12	VDD2	—	Power supply terminal (+3.3V)
13	HRDY	O	Ready signal output to the system controller (IC1201)
14	XHDCS	I	Chip select signal input from the system controller (IC1201)
15	HA0	I	Address signal input from the system controller (IC1201)
16 to 20	HD0 to HD4	I/O	Two-way data bus with the system controller (IC1201)
21	VSS5	—	Ground terminal
22	VDD3	—	Power supply terminal (+3.3V)
23 to 25	HD5 to HD7	I/O	Two-way data bus with the system controller (IC1201)
26	$\overline{\text{XRST}}$	I	Reset signal input from the system controller (IC1201) "L": reset
27 to 30	FGP0 toFGP3	I/O	Data output terminal for the test
31	VSS6	—	Ground terminal
32 to 40	ED0 to ED8	I/O	Two-way data bus with external RAM Not used (fixed at "L")
41	VSS7	—	Ground terminal
42	VDD4	—	Power supply terminal (+3.3V)
43 to 49	ED9 to ED15	I/O	Two-way data bus with external RAM Not used (fixed at "L")
50	TEST	I	Test terminal (Normally: fixed at "L")
51	VSS8	—	Ground terminal
52	VDD5	—	Power supply terminal (+3.3V)
53 to 60	ED16 to ED23	I/O	Two-way data bus with the S-RAM (IC1402)
61	VSS9	—	Ground terminal
62 to 69	ED24 to ED31	I/O	Two-way data bus with the S-RAM (IC1402)
70	XOE	O	Output enable signal output to the S-RAM (IC1402)
71	VSS10	—	Ground terminal
72	VDD6	—	Power supply terminal (+3.3V)
73	CAS	O	External RAM column address strobe signal output terminal Not used
74	XWE	O	Write enable signal output to the S-RAM (IC1402)
75	RAS	O	External RAM raw address strobe signal output terminal Not used
76 to 80	EA0 to EA4	O	Address signal output to the S-RAM (IC1402) or test data input from the S-RAM (IC1402)
81	VSS11	—	Ground terminal
82	VDD7	—	Power supply terminal (+3.3V)
83 to 89	E5 to EA11	O	Address signal output to the S-RAM (IC1402) or test data input from the S-RAM (IC1402)
90	EA12	O	Address signal output to the S-RAM (IC1402)
91	VSS0	—	Ground terminal
92 to 94	EA13 to EA15	O	Address signal output to the S-RAM (IC1402)
95	EA16	O	Address signal output terminal (for check)
96	TSTA	I	Test data input terminal (Normally: fixed at "L")
97	PLDIVF	I	PLL input frequency select terminal "L": 256fs "H": 128fs (fixed at "L" in this set)
98	PLDIVB	O	PLL input frequency select terminal "L": 768fs "H": 1024fs (fixed at "H" in this set)

Pin No.	Pin Name	I/O	Description
99	CLKI	I	Master clock signal input terminal (10MHz)
100	CLKO	O	Master clock signal output terminal (10MHz)
101	VSS1	—	Ground terminal
102	VDD0	—	Power supply terminal (+3.3V)
103	AVSS	—	Ground terminal (for PLL cell)
104	AVDD	—	Power supply terminal (+3.3V) (for PLL cell)
105	PLLCK	I/O	PLL output/test clock signal input terminal (for check)
106	XPLLEN	I	PLL cell oscillation enable signal input terminal “L”: oscillation enable (fixed at “L” in this set)
107	TST	I	Test data input terminal (Normally: fixed at “L”)
108	LRCT	I	Frequency counter input terminal (fixed at “L” in this set)
109	LROUT	O	Clock driver signal output terminal (for check)
110	BKOUT	O	Clock driver signal output terminal (for check)
111	VSS2	—	Ground terminal
112	VDD1	—	Power supply terminal (+3.3V)
113	BCK0	I	Clock 0 signal input from the digital audio interface receiver (IC1101)
114	BCK1	I	Clock 1 signal input from the digital audio interface receiver (IC1101)
115	LRCK0	I	Clock 0 signal input from the digital audio interface receiver (IC1101)
116	LRCK1	I	Clock 1 signal input from the digital audio interface receiver (IC1101)
117 to 120	SIA to SID	—	Serial data input from the dolby digital audio decoder (IC1301)

• DIGITAL BOARD IC1503 AK4527 (A/D, D/A CONVERTER)

Pin No.	Pin Name	I/O	Description
1	SDOS	I	Data source select terminal "L": internal ADC output "H": DAUX input
2	$\overline{\text{I2C}}$	I	Control mode select terminal "L": 3-wire serial "H": I2C bus
3	SMUTE	I	Soft mute signal input from the system controller (IC1201)
4	BCLK	I	Audio serial data clock signal input from the digital audio interface receiver (IC1101)
5	LRCK	I	Input channel clock signal input from the digital audio interface receiver (IC1101)
6	SDT1	I	DAC1 audio serial data input from the audio DSP (IC1401)
7	SDT2	I	DAC2 audio serial data input from the audio DSP (IC1401)
8	SDT3	I	DAC3 audio serial data input from the audio DSP (IC1401)
9	SDTO	O	audio serial data output to the dolby digital audio decoder (IC1301)
10	DAUX	I	Audio serial data input terminal Not used (fixed at "L")
11	DFS	I	Double speed sampling mode signal input from the system controller (IC1201) "L": normal speed "H": double speed
12, 13	DEM1, DEM0	I	De-emphasis signal input terminal Not used (fixed at "L")
14	TVDD	—	Power supply terminal (+5V) (for output buffer)
15	D5V	—	Power supply terminal (+5V) (digital system)
16	DGND	—	Ground terminal (digital system)
17	$\overline{\text{PD}}$	I	Power down and reset signal input terminal "L": power down and reset
18	ICKS2	I	Clock select 2 input terminal (fixed at "L" in this set)
19	ICKS1	I	Clock select 1 input terminal (fixed at "H" in this set)
20	ICKS0	I	Clock select 0 input terminal (fixed at "H" in this set)
21	CAD1	I	Chip address 1 input terminal Used during the serial control mode (fixed at "L" in this set)
22	CAD0	I	Chip address 0 input terminal Used during the serial control mode (fixed at "L" in this set)
23	LOUT3	O	L-ch 3 analog output to the select switch (IC1502)
24	ROUT3	O	R-ch 3 analog output to the select switch (IC1502)
25	LOUT2	O	L-ch 2 analog output to the select switch (IC1502)
26	ROUT2	O	R-ch 2 analog output to the select switch (IC1502)
27	LOUT1	O	L-ch 1 analog output to the select switch (IC1502)
28	ROUT1	O	R-ch 1 analog output to the select switch (IC1502)
29	LIN–	I	L-ch analog negative input from the line amp (IC1504)
30	LIN+	I	L-ch analog positive input from the line amp (IC1504)
31	RIN–	I	R-ch analog negative input from the line amp (IC1504)
32	RIN+	I	R-ch analog positive input from the line amp (IC1504)
33	DZF2	O	Zero input detect 2 terminal Not used (open)
34	VCOM	O	Common voltage output terminal Large external capacitor is used to reduce power supply noise
35	VREFH	I	Positive voltage reference input terminal (+5V)
36	A5V	—	Power supply terminal (+5V) (analog system)
37	AGND	—	Ground terminal (analog system)
38	DZF1	O	Zero input detect 1 terminal Not used (open)
39	MCLKI	I	Master clock input from the digital audio interface receiver (IC1101)
40	$\overline{\text{S/P}}$	I	Parallel or serial select terminal "L": serial control mode (fixed at "L" in this set)
41	$\overline{\text{CS}}$	I	Chip select signal input from the system controller (IC1201)
42	CCLK	I	Clock signal input from the system controller (IC1201)
43	CDTI	I	Control signal output to the system controller (IC1201)
44	LOOP1	O	Loop back mode 1 signal output terminal (fixed at "L" in this set)

• DIGITAL BOARD IC102 MB90553ABPF-G-169-BND (DISPLAY CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	EQ	O	EQUALIZER indicator (D123) drive signal output terminal "L": on
2	SUR	O	SURROUND indicator (D122) drive signal output terminal "L": on
3	LEVEL	O	LEVEL indicator (D119) drive signal output terminal "L": on
4	NAME	O	NAME indicator (D151) drive signal output terminal "L": on
5	SETUP	O	SET UP indicator (D152) drive signal output terminal "L": on
6	VOLUME	O	VOLUME indicator drive signal output terminal "L": on Not used (open)
7	MUTING	O	MUTING indicator (D101) drive signal output terminal "L": on
8	JOG	O	JOG indicator (D124) drive signal output terminal "L": on
9	VOLUP	O	Motor drive signal (volume up direction) output to the volume motor drive (IC105)
10	VOLDOWN	O	Motor drive signal (volume down direction) output to the volume motor drive (IC105)
11	VSS	—	Ground terminal
12	5V CHECK	O	Power check terminal
13	POWER RY	O	Power relay drive signal output terminal "H": on
14 to 17	NC	—	Not used (fixed at "L")
18	SIRCS IN	I	SIRCS input from the remote control receiver (IC101)
19	SOT0	O	Serial data output to the system controller (IC1201) (rewrite flash memory)
20	SIN0	I	Serial data input from the system controller (IC1201) (rewrite flash memory)
21	FL CLK	O	Clock signal output to the fluorescent display tube
22	FL DATA	O	Serial data output to the fluorescent display tube
23	VCC	—	Power supply terminal (+5V)
24	FL LAT	O	Latch signal output to the FL display driver (IC103)
25	FL CLEAR	O	Clear signal output to the FL display driver (IC103)
26	OSD CLK	O	OSD clock signal output to the select switch (IC2004) (used for STR-DE945 only)
27	C	—	External power regulator capacitor is connected to this terminal
28	OSD DOUT	O	OSD serial data output to the select switch (IC2004) (used for STR-DE945 only)
29 to 33	NC	—	Not used (fixed at "L")
34	AVCC	—	Power supply terminal (+5V) (analog system)
35	AVRH	—	Connected to power supply
36	AVRL	—	Connected to ground
37	AVSS	—	Ground terminal (analog system)
38	AD KEY IN 1	I	Key input terminal (A/D input) (S111 to 118)
39	AD KEY IN 2	I	Key input terminal (A/D input) (S121 to 125)
40	AD KEY IN 3	I	Key input terminal (A/D input) (S131 to 137)
41	AD KEY IN 4	I	Key input terminal (A/D input) (S141 to 149)
42	VSS	—	Ground terminal
43	AD KEY IN 5	I	Key input terminal (A/D input) (S151 to 157)
44	AD KEY IN 6	I	Key input terminal (A/D input) (S161 to 165)
45	AD KEY IN 7	I	Key input terminal Not used (fixed at "L")
46	RDS SIGNAL	I	RDS control signal input terminal Not used (fixed at "L")
47	STOP	I	Stop signal input from the power control (IC1206)
48	NC	—	Not used (fixed at "L")
49	MD0	I	MD 0 signal input from the system controller (IC1201)
50	MD1	I	MD 1 signal input terminal (fixed at "H" in this set)
51	MD2	I	MD 2 signal input from the system controller (IC1201)
52	HSTX	I	Hardware standby signal input to the power control (IC1206)

Pin No.	Pin Name	I/O	Description
53	RDS CLOCK	I	RDS clock signal input terminal Not used (fixed at “L”)
54	RDS DATA	I	RDS data input terminal Not used (fixed at “L”)
55	OSD VSYNC	O	Video sync signal output to the video switch (IC2005) (used for STR-DE945 only)
56	OSD VBLK	O	Video clock signal output to the video switch (IC2005) (used for STR-DE945 only)
57	NC	—	Not used (fixed at “L”)
58	U-RESET	O	Reset signal output to the system controller (IC1201)
59	U-SREQ	I	Slave request signal and data input from the system controller (IC1201)
60	U-MREQ	O	Master request signal output to the system controller (IC1201)
61	U-DATA	O	Master data output to the system controller (IC1201)
62	U-CLOCK	O	Master clock signal output to the system controller (IC1201)
63	AUBUS-IN	I	Audio bus input terminal
64	SP-A	I	Speaker A select signal input terminal
65	SP-B	I	Speaker B select signal input terminal
66	POWER-KEY IN	I	Power switch (S150) input terminal “L” is input when this key pressing
67	AUBUS-OUT	O	Audio bus output terminal
68	VERSION IN 1	I	Setting terminal for version 1 input
69	VERSION IN 2	I	Setting terminal for version 2 input
70	VERSION IN 3	I	Setting terminal for version 3 input
71	VERSION IN 4	I	Setting terminal for version 4 input
72	VERSION IN 5	I	Setting terminal for version 5 input
73	VERSION OUT 1	O	Setting terminal for version 1 output
74	VERSION OUT 2	O	Setting terminal for version 2 output
75	JOG-UP	O	Function encoder up input terminal (RV101)
76	JOG-DOWN	O	Function encoder down input terminal (RV101)
77	RESET	O	Reset signal input from the power control (IC1206)
78 to 80	NC	—	Not used (fixed at “L”)
81	VSS	—	Ground terminal
82	XO	O	System clock output terminal (16MHz)
83	XI	I	System clock input terminal (16MHz)
84	VCC	—	Power supply terminal (+5V)
85, 86	NC	—	Not used (fixed at “L”)
87	LED CLK	I	LED clock signal input from the LED drive (IC106)
88	LED DATA	I	LED data input from the LED drive (IC106)
89	LED CE	I	LED chip enable signal input from the LED drive (IC106)
90	LED CLR	I	LED clear signal input from the LED drive (IC106)
91, 92	NC	—	Not used (fixed at “L”)
93	MBUS-V1	I	V1 (M BUS) control signal input from the video select switch (IC253)
94	MBUS-DVD	I	DVD (M BUS) control signal input from the video select switch (IC253)
95	MBUS-TV	I	TV (M BUS) control signal input from the video select switch (IC253)
96	MBUS-STATUS	I	STATUS (M BUS) control signal input from the video select switch (IC253)
97	2WAY	O	Control A1 on/off control for signal output to the SIRCS driver (IC12) (used for STR-DE945 only)
98	LAT	O	Learning microprocessor latch signal output to the SIRCS driver (IC12) (used for STR-DE945 only)
99	RESET	O	Reset signal output to the SIRCS driver (IC12) (used for STR-DE945 only)
100	OSD LAY	O	Video latch signal output to the video switch (IC2004) (used for STR-DE945 only)

SECTION 5
EXPLODED VIEWS

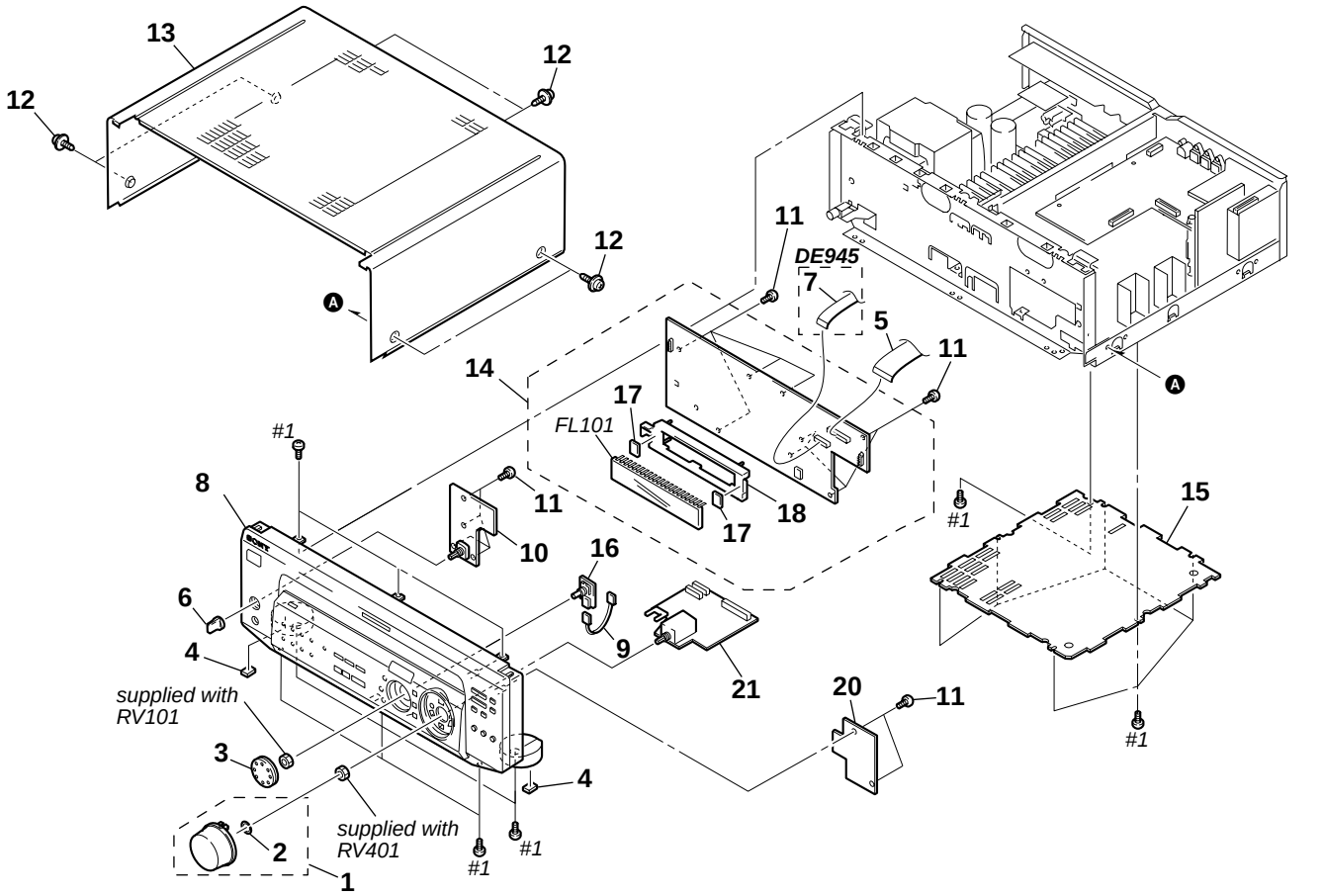
NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

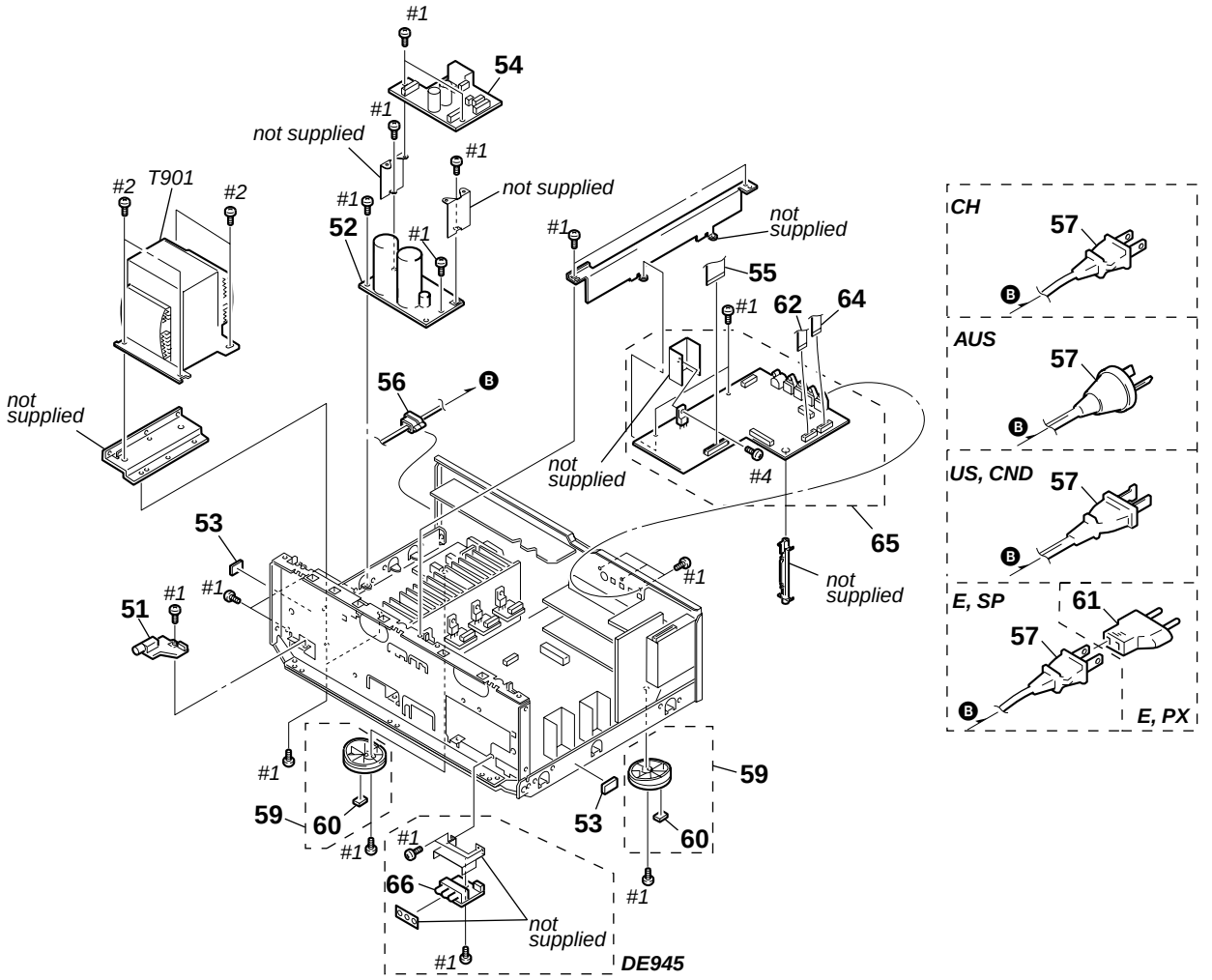
(1) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	X-4951-035-1	KNOB (VOL) ASSY (BLACK)	(US, CND, E, AUS, PX)
1	X-4951-269-1	KNOB (VOL) ASSY (GOLD) (MY, SP, CH)	
2	3-350-426-01	SPRING, RING	
3	4-226-799-01	KNOB (JOG) (BLACK) (US, CND, E, AUS, PX)	
3	4-226-799-11	KNOB (JOG) (GOLD) (MY, SP, CH)	
4	4-977-358-11	CUSHION	
5	1-773-054-11	WIRE (FLAT TYPE) (17 CORE)	(E, AUS, CH, PX)
5	1-773-160-11	WIRE (FLAT TYPE) (21 CORE) (US, CND)	(260mm)
6	4-957-383-01	KNOB (F14) (BLACK) (US, CND, E, AUS)	
6	4-957-383-11	KNOB (F14) (GOLD) (MY, SP, CH)	
7	1-769-888-11	WIRE (FLAT TYPE) (7 CORE) (DE945)	
8	X-4952-754-1	PANEL ASSY, FRONT (DE945)	
8	X-4952-755-1	PANEL ASSY, FRONT (BLACK)	(845: US, CND, E, AUS, PX)
8	X-4952-756-1	PANEL ASSY, FRONT (GOLD) (MY, SP, CH)	
* 9	1-690-880-31	LEAD (WITH CONNECTOR)	
10	1-676-999-11	POWER BOARD	

Ref. No.	Part No.	Description	Remark
11	4-951-620-01	SCREW (2.6X8), +BVTP	
12	4-210-291-01	SCREW (CASE 3 TP2) (BLACK)	(EXCEPT MY, SP, CH)
12	4-210-291-11	SCREW (CASE 3 TP2) (GOLD) (MY, SP, CH)	
* 13	4-229-547-01	CASE (414532) (GOLD) (MY, SP, CH)	
* 13	4-979-945-01	CASE (414532) (BLACK) (E, AUS, PX)	
* 13	4-982-682-01	CASE (414532) (US, CND)	
14	A-4428-772-A	DISPLAY BOARD, COMPLETE (845: US, CND)	
14	A-4428-796-A	DISPLAY BOARD, COMPLETE	(MY, SP, AUS, CH)
14	A-4428-804-A	DISPLAY BOARD, COMPLETE (E, PX)	
14	A-4428-814-A	DISPLAY BOARD, COMPLETE (DE945)	
* 15	4-979-946-01	PLATE (432), BOTTOM	
16	1-677-041-11	ROTARY BOARD	
* 17	4-955-901-01	CUSHION (FL)	
* 18	4-990-797-01	HOLDER (FL)	
20	1-677-000-11	MUTING BOARD	
21	1-677-001-11	VOL BOARD	
FL101	1-517-781-21	INDICATOR, FLUORESCENT	

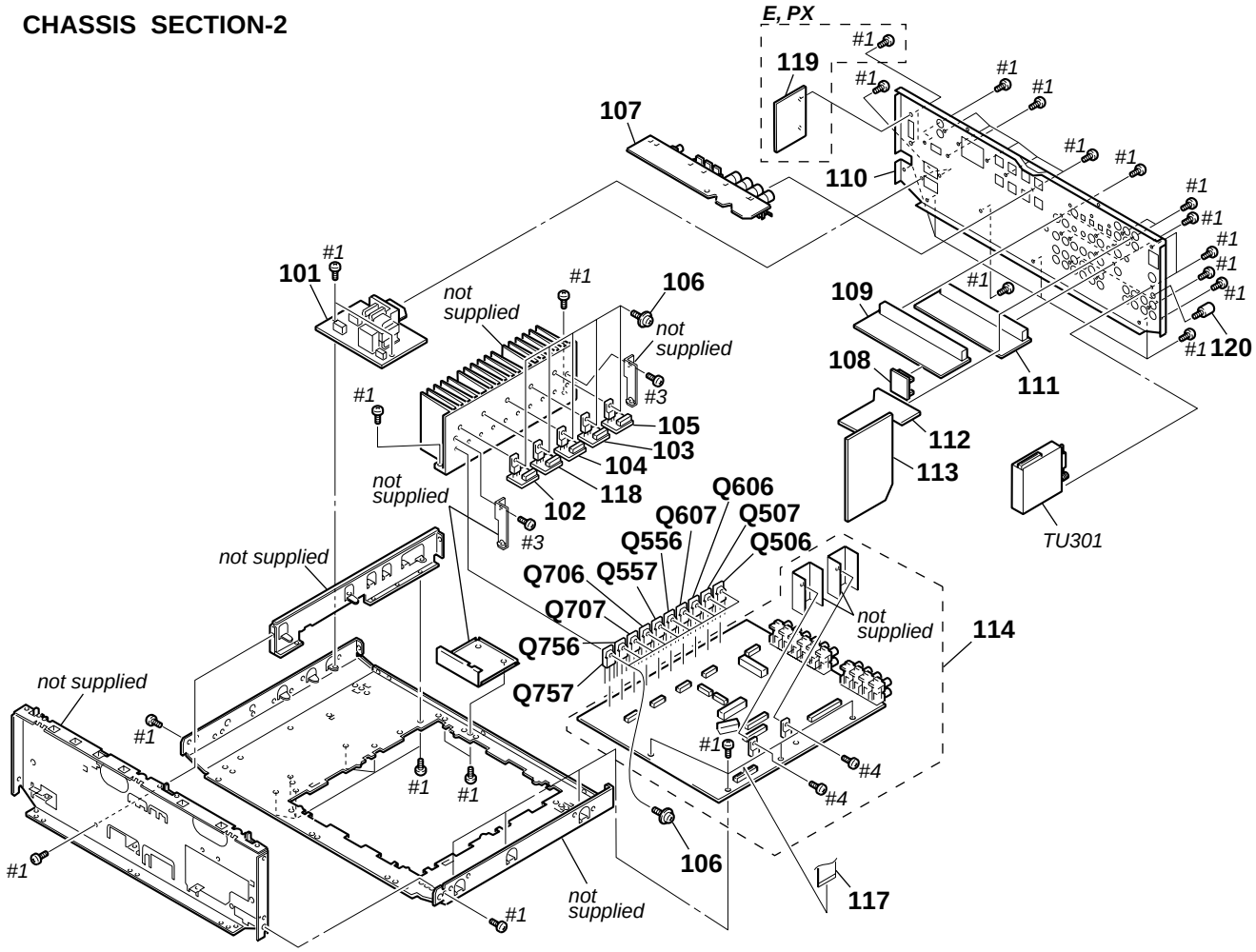
(2) CHASSIS SECTION-1



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark
51	1-677-002-11	H.P BOARD	
52	1-676-988-11	DC (1) BOARD	
53	4-985-642-01	CUSHION	
54	1-676-989-11	DC (2) BOARD	
55	1-773-150-11	WIRE (FLAT TYPE) (21 CORE) (160mm)	
* 56	3-703-244-00	BUSHING (2104), CORD	
⚠57	1-696-847-11	CORD, POWER (AUS)	
⚠57	1-769-743-11	CORD, POWER (CND)	
⚠57	1-769-744-11	CORD, POWER (E, PX)	
⚠57	1-782-464-21	CORD, POWER (CH)	
⚠57	1-783-820-11	CORD, POWER (US)	
59	X-4947-208-1	FOOT ASSY (F50150S) (BLACK) (US, CND, E, AUS, PX)	
59	X-4952-298-1	FOOT ASSY (F50150S) (GOLD) (MY, SP, CH)	
60	4-977-358-11	CUSHION	
⚠61	1-569-008-21	ADAPTOR, CONVERSION 2P (E, PX)	
62	1-773-004-11	WIRE (FLAT TYPE) (15 CORE) (100mm)	
64	1-773-001-11	WIRE (FLAT TYPE) (15 CORE) (70mm)	
65	A-4428-787-A	DIGITAL BOARD, COMPLETE (DE845: US, CND)	
65	A-4428-801-A	DIGITAL BOARD, COMPLETE (EXCEPT US, CND)	
65	A-4428-820-A	DIGITAL BOARD, COMPLETE (DE945)	
66	1-677-003-11	VIDEO 3 BOARD (DE945)	
⚠T901	1-435-428-11	TRANSFORMER, POWER (E, PX)	
⚠T901	1-435-429-11	TRANSFORMER, POWER (AUS)	
⚠T901	1-435-430-11	TRANSFORMER, POWER (US)	
⚠T901	1-435-431-11	TRANSFORMER, POWER (CND)	
⚠T901	1-435-432-11	TRANSFORMER, POWER (MY, SP, CH)	

(3) CHASSIS SECTION-2



Ref. No.	Part No.	Description	Remark
101	1-676-990-11	AC BOARD	
102	1-676-986-11	BIAS (LS) BOARD	
103	1-676-985-11	BIAS (C) BOARD	
104	1-676-984-11	BIAS (R) BOARD	
105	1-676-983-11	BIAS (L) BOARD	
106	3-905-609-11	SCREW (TRANSISTOR)	
107	1-676-991-11	SP BOARD	
108	1-676-992-11	JOINT (1) (H) BOARD (DE845)	
108	1-677-042-11	OSD JOINT (H) BOARD (DE945)	
109	A-4428-783-A	S-VIDEO BOARD, COMPLETE (DE845: US, CND)	
109	A-4428-817-A	S-VIDEO BOARD, COMPLETE (DE945)	
110	4-226-871-02	PANEL, BACK (DE945: US)	
110	4-226-871-12	PANEL, BACK (DE945: CND)	
110	4-226-871-32	PANEL, BACK (DE845: US)	
110	4-226-871-42	PANEL, BACK (DE845: CND)	
110	4-226-871-52	PANEL, BACK (MY, SP)	
110	4-226-871-62	PANEL, BACK (CH)	
110	4-226-871-72	PANEL, BACK (AUS)	
110	4-226-871-82	PANEL, BACK (E, PX)	
111	1-676-994-11	VIDEO BORAD (DE845)	
111	A-4428-818-A	OSD BOARD, COMPLETE (DE945)	
112	1-676-982-11	5.1 IN BOARD	
113	A-4428-791-A	AU SW BOARD, COMPLETE	
114	A-4428-764-A	MAIN BOARD, COMPLETE (DE845: US)	
114	A-4428-793-A	MAIN BOARD, COMPLETE (DE845: CND)	
114	A-4428-794-A	MAIN BOARD, COMPLETE (EXCEPT US, CND)	
114	A-4428-813-A	MAIN BOARD, COMPLETE (DE945: US)	

Ref. No.	Part No.	Description	Remark
114	A-4428-822-A	MAIN BOARD, COMPLETE (DE945: CND)	
117	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
118	1-676-987-11	BIAS (RS) BOARD	
119	1-677-004-11	V. SWITCH BOARD (E, PX)	
* 120	1-537-738-21	TERMINAL, EARTH	
Q506	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q506	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q507	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q507	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q556	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q556	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q557	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q557	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q606	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q606	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q607	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q607	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q706	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q706	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q707	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q707	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q756	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q756	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q757	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q757	8-749-010-25	IC MN2488-OPY-M (DE845)	
TM301	1-693-407-23	TUNER (DE845: US, CND, E/DE945)	
TM301	1-693-409-23	TUNER (MY, SP, AUS, CH)	

SECTION 6
ELECTRICAL PARTS LIST

5.1 IN **AC**

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  AUS : Australian model MY : Malaysia model
  CH : Chinese model SP : Singapore model
  CND : Canadian model
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
	1-676-982-11	5.1 IN BOARD			
		**********			
		< CAPACITOR >			
C323	1-128-825-11	CERAMIC	2200PF	5%	50V
		< CONNECTOR >			
CNS301	1-695-093-11	SOCKET, CONNECTOR 9P			
		< JACK >			
J307	1-794-269-11	JACK, PIN 6P (5.1CH INPUT)			
		< RESISTOR >			
R323	1-249-417-11	CARBON	1K	5%	1/4W
R324	1-249-417-11	CARBON	1K	5%	1/4W
R325	1-249-417-11	CARBON	1K	5%	1/4W
R327	1-249-441-11	CARBON	100K	5%	1/4W
R328	1-249-441-11	CARBON	100K	5%	1/4W
R329	1-249-441-11	CARBON	100K	5%	1/4W
R373	1-249-417-11	CARBON	1K	5%	1/4W
R374	1-249-417-11	CARBON	1K	5%	1/4W
R375	1-249-439-11	CARBON	68K	5%	1/4W
R377	1-249-441-11	CARBON	100K	5%	1/4W
R378	1-249-441-11	CARBON	100K	5%	1/4W
R379	1-249-436-11	CARBON	39K	5%	1/4W
**********					
	1-676-990-11	AC BOARD			
		********			
	1-533-223-11	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-127-880-11	CERAMIC	0.022uF	10%	50V
C902	1-127-880-11	CERAMIC	0.022uF	10%	50V
C905	1-126-768-11	ELECT	2200uF	20%	16V
		< CONNECTOR >			
⚠CNJ90	1-251-417-11	OUTLET, A. C. (AC OUTLET) (AUS)			
⚠CNJ90	1-251-718-11	OUTLET (2 GANG), AC (AC OUTLET) (US, CND, E, CH, PX)			
⚠CNJ90	1-785-285-11	OUTLET, AC (1P) (AC OUTLET) (MY, SP)			
CNV807	1-568-106-11	PIN, CONNECTOR 4P (E)			
CNV901	1-564-321-00	PIN, CONNECTOR 2P			
* CNV902	1-565-792-11	PIN, CONNECTOR 2P			
		< DIODE >			
D901	8-719-024-99	DIODE 11ES2-NTA2B			
D902	8-719-024-99	DIODE 11ES2-NTA2B			
D903	8-719-024-99	DIODE 11ES2-NTA2B			
D904	8-719-024-99	DIODE 11ES2-NTA2B			
D905	8-719-911-19	DIODE 1SS133T-72			
D906	8-719-911-19	DIODE 1SS133T-72			
D907	8-719-911-19	DIODE 1SS133T-72			
		< TERMINAL >			
* EB901	1-537-738-11	TERMINAL, EARTH (US, CND)			
		< FUSE >			
⚠F901	1-533-311-11	FUSE, GLASS CYLINDRICAL (DIA.5)	8A	125V (US, CND)	
⚠F901	1-532-504-51	FUSE	T4AL	250V (EXCEPT US, CND)	
⚠F903	1-532-749-11	FUSE	T2.5AL	250V (EXCEPT US, CND, E, PX)	
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
		< RESISTOR >			
R901	1-202-725-00	SOLID	3.3M	10%	1/2W (US, CND)
R902	1-249-429-11	CARBON	10K	5%	1/4W
R903	1-249-425-11	CARBON	4.7K	5%	1/4W
		< RELAY >			
RY901	1-755-298-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-435-281-11	TRANSFORMER, POWER (US, CND)			
⚠T902	1-435-282-11	TRANSFORMER, POWER (MY, SP, AUS, CH)			
⚠T902	1-435-283-11	TRANSFORMER, POWER (E, PX)			
**********					

AU SW

Ref. No.	Part No.	Description			Remark
	A-4428-791-A	AU SW BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1503	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1504	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1505	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1512	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1521	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1524	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1525	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1526	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1527	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1528	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1529	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1530	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1531	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1533	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1535	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1537	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1539	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1540	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1541	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1543	1-126-965-11	ELECT	22uF	20%	50V
C1546	1-126-965-11	ELECT	22uF	20%	50V
C1548	1-126-965-11	ELECT	22uF	20%	50V
C1550	1-126-965-11	ELECT	22uF	20%	50V
C1552	1-126-965-11	ELECT	22uF	20%	50V
C1554	1-126-965-11	ELECT	22uF	20%	50V
C1560	1-126-965-11	ELECT	22uF	20%	50V
C1561	1-126-965-11	ELECT	22uF	20%	50V
C1562	1-126-965-11	ELECT	22uF	20%	50V
C1563	1-126-965-11	ELECT	22uF	20%	50V
C1564	1-126-965-11	ELECT	22uF	20%	50V
C1565	1-126-965-11	ELECT	22uF	20%	50V
		< CONNECTOR >			
CNP10	1-784-927-11	PIN, CONNECTOR 12P			
CNP11	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P			
CNP12	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P			
		< DIODE >			
D1501	8-719-820-05	DIODE 1SS181-TE85L			
D1504	8-719-820-05	DIODE 1SS181-TE85L			
D1505	8-719-820-05	DIODE 1SS181-TE85L			
		< IC >			
IC1502	8-759-590-10	IC TC9273F-012 (EL)			
IC1505	8-759-099-06	IC M5218AFP-TE1			
IC1506	8-759-099-06	IC M5218AFP-TE1			
IC1507	8-759-099-06	IC M5218AFP-TE1			
IC1508	8-759-099-06	IC M5218AFP-TE1			
IC1509	8-759-099-06	IC M5218AFP-TE1			
IC1510	8-759-099-06	IC M5218AFP-TE1			
		< TRANSISTOR >			
Q1501	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16		
Q1502	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16		
Q1503	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16		
Q1504	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16		
Q1505	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16		
Q1506	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16		
Q1507	8-729-027-23	TRANSISTOR	RT1P141C-TP-1		
		< RESISTOR >			
R1501	1-216-295-00	SHORT	0		
R1502	1-216-295-00	SHORT	0		
R1504	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1508	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1509	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1510	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1512	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1513	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1514	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1515	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1516	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1517	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1528	1-216-033-00	METAL CHIP	220	5%	1/10W
R1529	1-216-033-00	METAL CHIP	220	5%	1/10W
R1530	1-216-033-00	METAL CHIP	220	5%	1/10W
R1532	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1533	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1534	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1535	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1537	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1538	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1539	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1541	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1542	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1543	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1545	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1546	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1547	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1549	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1550	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1551	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1553	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1554	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1556	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1559	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1560	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1561	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1562	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1563	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1564	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1565	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1567	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1568	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1569	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1578	1-216-033-00	METAL CHIP	220	5%	1/10W
R1579	1-216-033-00	METAL CHIP	220	5%	1/10W
R1580	1-216-033-00	METAL CHIP	220	5%	1/10W
R1581	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1582	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1583	1-216-097-00	RES-CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1584	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1585	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1594	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1595	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1596	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1597	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1598	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1599	1-216-073-00	METAL CHIP	10K	5%	1/10W
**********					
	1-676-985-11	BIAS (C) BOARD			
		**********			
		< CAPACITOR >			
C620	1-104-664-11	ELECT	47uF	20%	16V
		< TRANSISTOR >			
Q605	8-729-026-08	TRANSISTOR	2SC4495		
		< RESISTOR >			
R621	1-247-843-11	CARBON	3.3K	5%	1/4W
R622	1-247-843-11	CARBON	3.3K	5%	1/4W
R623	1-249-442-11	CARBON	510	5%	1/4W
**********					
	1-676-983-11	BIAS (L) BOARD			
		**********			
		< CAPACITOR >			
C520	1-104-664-11	ELECT	47uF	20%	16V
		< TRANSISTOR >			
Q505	8-729-026-08	TRANSISTOR	2SC4495		
		< RESISTOR >			
R521	1-247-843-11	CARBON	3.3K	5%	1/4W
R522	1-247-843-11	CARBON	3.3K	5%	1/4W
R523	1-249-442-11	CARBON	510	5%	1/4W
**********					
	1-676-986-11	BIAS (LS) BOARD			
		**********			
		< CAPACITOR >			
C720	1-104-664-11	ELECT	47uF	20%	16V
		< TRANSISTOR >			
Q705	8-729-026-08	TRANSISTOR	2SC4495		
		< RESISTOR >			
R721	1-247-843-11	CARBON	3.3K	5%	1/4W
R722	1-247-843-11	CARBON	3.3K	5%	1/4W
R723	1-249-442-11	CARBON	510	5%	1/4W
**********					
	1-676-984-11	BIAS (R) BOARD			
		**********			
		< CAPACITOR >			
C570	1-104-664-11	ELECT	47uF	20%	16V
		< TRANSISTOR >			
Q555	8-729-026-08	TRANSISTOR	2SC4495		
		< RESISTOR >			
R571	1-247-843-11	CARBON	3.3K	5%	1/4W
R572	1-247-843-11	CARBON	3.3K	5%	1/4W
R573	1-249-442-11	CARBON	510	5%	1/4W
**********					
	1-676-987-11	BIAS (RS) BOARD			
		**********			
		< CAPACITOR >			
C770	1-104-664-11	ELECT	47uF	20%	16V
		< TRANSISTOR >			
Q755	8-729-026-08	TRANSISTOR	2SC4495		
		< RESISTOR >			
R771	1-247-843-11	CARBON	3.3K	5%	1/4W
R772	1-247-843-11	CARBON	3.3K	5%	1/4W
R773	1-249-442-11	CARBON	510	5%	1/4W
**********					
	1-676-988-11	DC (1) BOARD			
		**********			
	1-533-223-11	HOLDER, FUSE			
		< CAPACITOR >			
C803	1-125-897-11	ELECT	10000uF	20%	71V
C804	1-125-897-11	ELECT	10000uF	20%	71V
C805	1-130-781-00	MYLAR	0.22uF	5%	100V
C806	1-130-781-00	MYLAR	0.22uF	5%	100V
		< CONNECTOR >			
CNP802	1-785-102-11	PIN, CONNECTOR 4P			
		< DIODE >			
D801	8-719-072-05	DIODE RBV-602LF-A			
		< FUSE >			
⚠F801	1-533-311-11	FUSE, GLASS CYLINDRICAL (DIA.5)			
				8A	125V
⚠F802	1-533-311-11	FUSE, GLASS CYLINDRICAL (DIA.5)			
				8A	125V
**********					
	1-676-989-11	DC (2) BOARD			
		**********			
	1-533-223-11	HOLDER, FUSE			

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DC (2) DIGITAL

Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C801	1-104-664-11	ELECT	47uF	20%	25V
C807	1-107-935-11	ELECT	330uF	20%	100V
C808	1-126-967-11	ELECT	47uF	20%	50V
C809	1-126-967-11	ELECT	47uF	20%	50V
C811	1-126-953-11	ELECT	2200uF	20%	35V
C812	1-126-952-11	ELECT	1000uF	20%	35V
C813	1-126-937-11	ELECT	4700uF	20%	16V
C851	1-136-153-00	FILM	0.01uF	5%	50V
C852	1-136-153-00	FILM	0.01uF	5%	50V
C853	1-136-153-00	FILM	0.01uF	5%	50V
C854	1-136-153-00	FILM	0.01uF	5%	50V
		< CONNECTOR >			
CNP803	1-785-103-21	PIN, CONNECTOR 5P			
CNP804	1-785-101-11	PIN, CONNECTOR 3P			
CNP805	1-785-103-11	PIN, CONNECTOR 5P			
CNP806	1-784-924-11	PIN, CONNECTOR 8P			
* CNP808	1-564-506-11	PLUG, CONNECTOR 3P			
CNP809	1-784-921-11	PIN, CONNECTOR 4P			
		< DIODE >			
D802	8-719-024-99	DIODE	11ES2-NTA2B		
D803	8-719-024-99	DIODE	11ES2-NTA2B		
D804	8-719-024-99	DIODE	11ES2-NTA2B		
D805	8-719-024-99	DIODE	11ES2-NTA2B		
D806	8-719-024-99	DIODE	11ES2-NTA2B		
D807	8-719-024-99	DIODE	11ES2-NTA2B		
D808	8-719-024-99	DIODE	11ES2-NTA2B		
D809	8-719-024-99	DIODE	11ES2-NTA2B		
D810	8-719-982-23	DIODE	MTZJ-T-72-33		
D811	8-719-024-99	DIODE	11ES2-NTA2B		
D812	8-719-024-99	DIODE	11ES2-NTA2B		
D813	8-719-118-63	DIODE	RD5.6F-T7B2		
		< FUSE >			
⚠F803	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)	4A	125V (US, CND)	
⚠F803	1-532-504-51	FUSE	T4AL	250V (EXCEPT US, CND)	
⚠F804	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)	4A	125V (US, CND)	
⚠F804	1-532-504-51	FUSE	T4AL	250V (EXCEPT US, CND)	
⚠F805	1-533-419-11	FUSE, GLASS CYLINDRICAL (DIA.5)	4A	125V (US, CND)	
⚠F805	1-532-504-51	FUSE	T4AL	250V (EXCEPT US, CND)	
		< TRANSISTOR >			
Q801	8-729-051-94	TRANSISTOR	2SD1863TV2		
		< RESISTOR >			
⚠R801	1-247-727-11	CARBON	10	5%	1/2W F
⚠R802	1-249-401-11	CARBON	47	5%	1/4W F
R803	1-249-429-11	CARBON	10K	5%	1/4W
R804	1-249-433-11	CARBON	22K	5%	1/4W

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S801	1-771-876-11	SWITCH, POWER (IMPEDANCE SELECTOR)			
**********					
	A-4428-787-A	DIGITAL BOARD, COMPLETE			(DE845: US, CND)
	A-4428-801-A	DIGITAL BOARD, COMPLETE			(EXCEPT US, CND)
	A-4428-820-A	DIGITAL BOARD, COMPLETE (DE945)			
		**********			
	4-227-901-01	HEAT SINK			
	7-685-872-09	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C1001	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1002	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1003	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1004	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1005	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1006	1-126-925-11	ELECT	470uF	20%	10V
C1007	1-126-965-11	ELECT	22uF	20%	50V
C1008	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1010	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V
C1020	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C1101	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1102	1-104-664-11	ELECT	47uF	20%	16V
C1103	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1104	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1105	1-104-664-11	ELECT	47uF	20%	16V
C1106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1107	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1108	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1109	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1110	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1111	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1156	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1157	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1201	1-126-964-11	ELECT	10uF	20%	50V
C1202	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1203	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1204	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1205	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1206	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1207	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1208	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1209	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1210	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1211	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1212	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1213	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1214	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1215	1-126-935-11	ELECT	470uF	20%	16V
C1216	1-126-935-11	ELECT	470uF	20%	16V
C1217	1-126-935-11	ELECT	470uF	20%	16V
C1218	1-126-959-11	ELECT	0.47uF	20%	50V
C1219	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1220	1-126-957-11	ELECT	0.22uF	20%	50V

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Ref. No.	Part No.	Description			Remark
C1221	1-126-964-11	ELECT	10uF	20%	50V
C1222	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1223	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1224	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1225	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1226	1-126-960-11	ELECT	1uF	20%	50V
C1228	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1229	1-126-935-11	ELECT	470uF	20%	16V
C1230	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1231	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1232	1-126-935-11	ELECT	470uF	20%	16V
C1233	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1234	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1235	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1236	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1237	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1238	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1239	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1302	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1303	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1304	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1305	1-104-664-11	ELECT	47uF	20%	16V
C1306	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C1307	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1309	1-126-934-11	ELECT	220uF	20%	10V
C1310	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1311	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1312	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1313	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1314	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1315	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1401	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1402	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1403	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1404	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1405	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1406	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1407	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1408	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1409	1-104-664-11	ELECT	47uF	20%	16V
C1410	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1411	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1412	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1413	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1414	1-104-664-11	ELECT	47uF	20%	16V
C1416	1-104-664-11	ELECT	47uF	20%	16V
C1417	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1501	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1502	1-126-935-11	ELECT	470uF	20%	16V
C1506	1-126-964-11	ELECT	10uF	20%	50V
C1508	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1509	1-104-664-11	ELECT	47uF	20%	16V
C1513	1-126-964-11	ELECT	10uF	20%	50V
C1514	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1515	1-126-964-11	ELECT	10uF	20%	50V
C1516	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1518	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1519	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C1522	1-126-965-11	ELECT	22uF	20%	50V
C1523	1-106-347-00	MYLAR	1500PF	5%	200V
C1544	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1570	1-126-964-11	ELECT	10uF	20%	50V
C1571	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1572	1-126-965-11	ELECT	22uF	20%	50V
C1573	1-106-347-00	MYLAR	1500PF	5%	200V
C3118	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C3119	1-163-233-11	CERAMIC CHIP	18PF	5%	50V

< CONNECTOR >

CNP4	1-784-923-11	PIN, CONNECTOR 7P
CNP7	1-784-927-11	PIN, CONNECTOR 12P
CNS1	1-784-776-11	CONNECTOR, FFC 15P
CNS2	1-784-778-11	CONNECTOR, FFC 17P (E, AUS, CH, PX)
CNS2	1-784-782-11	CONNECTOR, FFC 21P (DE845: US, CND)
CNS5	1-784-782-11	CONNECTOR, FFC 21P
CNS6	1-784-776-11	CONNECTOR, FFC 15P

< DIODE >

D1001	8-719-016-74	DIODE 1SS352-TPH3
D1101	8-719-016-74	DIODE 1SS352-TPH3
D1201	8-719-016-74	DIODE 1SS352-TPH3
D1202	8-719-016-74	DIODE 1SS352-TPH3
D1203	8-719-016-74	DIODE 1SS352-TPH3
D1204	8-719-801-78	DIODE 1SS184-TE85L
D1205	8-719-801-78	DIODE 1SS184-TE85L
D1206	8-719-016-74	DIODE 1SS352-TPH3
D1207	8-719-016-74	DIODE 1SS352-TPH3
D1208	8-719-053-18	DIODE 1SR154-400TE-25
D1209	8-719-801-78	DIODE 1SS184-TE85L
D1210	8-719-016-74	DIODE 1SS352-TPH3
D1211	8-719-053-18	DIODE 1SR154-400TE-25
D1212	8-719-016-74	DIODE 1SS352-TPH3

< FERRITE BEAD >

FB1101	1-469-152-11	FERRITE, EMI (SMD)
FB1102	1-469-152-11	FERRITE, EMI (SMD)
FB1103	1-469-152-11	FERRITE, EMI (SMD)
FB1104	1-414-598-11	INDUCTOR, FERRITE BEAD
FB1105	1-414-598-11	INDUCTOR, FERRITE BEAD
FB1301	1-469-152-11	FERRITE, EMI (SMD)
FB1302	1-469-152-11	FERRITE, EMI (SMD)
FB1401	1-469-152-11	FERRITE, EMI (SMD)
FB1402	1-414-598-11	INDUCTOR, FERRITE BEAD
FB1403	1-414-598-11	INDUCTOR, FERRITE BEAD
FB1404	1-414-598-11	INDUCTOR, FERRITE BEAD
FB1405	1-469-152-11	FERRITE, EMI (SMD)
FB1501	1-469-152-11	FERRITE, EMI (SMD)
FB1502	1-469-152-11	FERRITE, EMI (SMD)

< IC >

IC1001	8-749-017-36	IC TORX-179 (DVD/LD IN)
IC1002	8-749-923-05	IC TORX178A (TV/SAT IN)
IC1003	8-749-923-05	IC TORX178A (MD/DAT IN)
IC1004	8-749-923-04	IC TOTX178A (MD/DAT OUT)
IC1005	8-759-595-15	IC TC74ACT153AF (EL)

DIGITAL

Ref. No.	Part No.	Description	Remark
IC1007	8-759-242-70	IC TC7WU04F (TE12R)	
IC1101	8-759-639-35	IC LC89055W-RA8	
IC1201	8-759-680-64	IC MB90573PFV-G-296-BND	
IC1202	8-759-186-30	IC TC74VHC14F (EL)	
IC1203	8-759-445-59	IC BA033T	
IC1204	8-759-231-53	IC M5F7805L	
IC1205	8-759-231-53	IC M5F7805L	
IC1206	8-759-544-04	IC NJM2103M-TE2	
IC1207	8-759-231-53	IC M5F7805L	
IC1208	8-759-231-53	IC M5F7805L	
IC1301	8-759-643-42	IC CXD9511AQ	
IC1401	8-752-391-87	IC CXD2712R	
IC1402	8-759-538-16	IC IDT71V016S15PH-AUTL	
IC1403	8-759-524-32	IC TC74VHC367FT (EL)	
IC1404	8-759-242-70	IC TC7WU04F (TE12R)	
IC1501	8-759-231-53	IC M5F7805L	
IC1503	8-759-657-47	IC AK4527	
IC1504	8-759-099-06	IC M5218AFP-TE1	
IC1511	8-759-231-58	IC M5F7812L	
IC1554	8-759-099-06	IC M5218AFP-TE1	
		< JACK >	
J1001	1-778-228-11	JACK, PIN 1P (COAX)	
		< SHORT >	
JR1001	1-216-296-00	SHORT 0	
JR1002	1-216-296-00	SHORT 0	
JR1003	1-216-296-00	SHORT 0	
JR1004	1-216-296-00	SHORT 0	
JR1005	1-216-296-00	SHORT 0	
JR1006	1-216-296-00	SHORT 0	
JR1007	1-216-295-00	SHORT 0	
JR1008	1-216-295-00	SHORT 0	
JR1009	1-216-296-00	SHORT 0	
		< TRANSISTOR >	
Q1201	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q1202	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q1203	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q1204	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
Q1205	8-729-048-78	TRANSISTOR 2SD1733-TL-QR	
		< RESISTOR >	
R1001	1-216-025-00	RES-CHIP 100 5%	1/10W
R1002	1-216-025-00	RES-CHIP 100 5%	1/10W
R1003	1-216-025-00	RES-CHIP 100 5%	1/10W
R1004	1-216-025-00	RES-CHIP 100 5%	1/10W
R1006	1-216-025-00	RES-CHIP 100 5%	1/10W
R1007	1-216-025-00	RES-CHIP 100 5%	1/10W
R1008	1-216-022-00	METAL CHIP 75 5%	1/10W
R1009	1-216-049-11	RES-CHIP 1K 5%	1/10W
R1010	1-216-081-00	METAL CHIP 22K 5%	1/10W
R1011	1-216-025-00	RES-CHIP 100 5%	1/10W
R1013	1-216-115-00	METAL CHIP 560K 5%	1/10W
R1101	1-216-073-00	METAL CHIP 10K 5%	1/10W
R1102	1-216-073-00	METAL CHIP 10K 5%	1/10W
R1104	1-216-022-00	METAL CHIP 75 5%	1/10W
R1105	1-216-066-00	METAL CHIP 5.1K 5%	1/10W

Ref. No.	Part No.	Description			Remark
R1106	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R1108	1-216-025-00	RES-CHIP	100	5%	1/10W
R1110	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1111	1-216-121-00	RES-CHIP	1M	5%	1/10W
R1112	1-216-295-00	SHORT	0		
R1114	1-216-025-00	RES-CHIP	100	5%	1/10W
R1115	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1131	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R1160	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1192	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1201	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1202	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1203	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1204	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1205	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1206	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1207	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1208	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1209	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1210	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1211	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1212	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1213	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1214	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1215	1-216-025-00	RES-CHIP	100	5%	1/10W
R1216	1-216-025-00	RES-CHIP	100	5%	1/10W
R1217	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1218	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1219	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1220	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1221	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE845)
R1222	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
R1223	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE845)
R1224	1-216-089-00	RES-CHIP	47K	5%	1/10W
R1225	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R1226	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R1227	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
R1228	1-216-075-00	METAL CHIP	12K	5%	1/10W
R1229	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1230	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1232	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1233	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1234	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1235	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1236	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1237	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1238	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1239	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1240	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1241	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1242	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1243	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1244	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1245	1-216-049-11	RES-CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1246	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1247	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1248	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1249	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1250	1-216-025-00	RES-CHIP	100	5%	1/10W
R1251	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1252	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1253	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1254	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1255	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1256	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1257	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1258	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
⚠R1259	1-215-880-00	METAL OXIDE	10	5%	2W F
⚠R1260	1-215-884-11	METAL OXIDE	47	5%	2W F
R1261	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1262	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1263	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1264	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1265	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1266	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1267	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1269	1-216-093-11	RES-CHIP	68K	5%	1/10W
R1270	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1271	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1272	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1273	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1274	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1275	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1276	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1277	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1278	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1279	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1280	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1281	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1282	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1283	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1284	1-216-105-00	RES-CHIP	220K	5%	1/10W
R1285	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1286	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1287	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1288	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1289	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1290	1-216-093-11	RES-CHIP	68K	5%	1/10W
R1292	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1293	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1294	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1295	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1296	1-216-295-00	SHORT	0		
R1297	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1301	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1302	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1303	1-216-295-00	SHORT	0		
R1304	1-216-295-00	SHORT	0		
R1305	1-216-295-00	SHORT	0		
R1401	1-216-025-00	RES-CHIP	100	5%	1/10W
R1402	1-216-025-00	RES-CHIP	100	5%	1/10W
R1403	1-216-025-00	RES-CHIP	100	5%	1/10W
R1404	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1405	1-216-121-00	RES-CHIP	1M	5%	1/10W
R1406	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1407	1-216-025-00	RES-CHIP	100	5%	1/10W
R1408	1-216-025-00	RES-CHIP	100	5%	1/10W
R1409	1-216-025-00	RES-CHIP	100	5%	1/10W
R1410	1-216-295-00	SHORT	0		
R1412	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1413	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1414	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1415	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1416	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1417	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1418	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1419	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1420	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1421	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1422	1-216-025-00	RES-CHIP	100	5%	1/10W
R1450	1-216-295-00	SHORT	0		
R1451	1-216-295-00	SHORT	0		
R1452	1-216-295-00	SHORT	0		
R1503	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1518	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1522	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1523	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1524	1-216-037-00	METAL CHIP	330	5%	1/10W
R1525	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1526	1-216-037-00	METAL CHIP	330	5%	1/10W
R1527	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1558	1-216-025-00	RES-CHIP	100	5%	1/10W
R1570	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1571	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1572	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1573	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1574	1-216-037-00	METAL CHIP	330	5%	1/10W
R1575	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1576	1-216-037-00	METAL CHIP	330	5%	1/10W
R1577	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3121	1-216-043-00	RES-CHIP	560	5%	1/10W
		< VIBRATOR >			
X1201	1-781-356-21	VIBRATOR, CERAMIC (16MHz)			
X1401	1-781-464-21	VIBRATOR, CERAMIC (10MHz)			
X3501	1-781-465-21	VIBRATOR, CRYSTAL (12.288MHz)			
**********					
	A-4428-772-A	DISPLAY BOARD, COMPLETE (DE845: US, CND)			
	A-4428-796-A	DISPLAY BOARD, COMPLETE (MY, SP, AUS, CH)			
	A-4428-804-A	DISPLAY BOARD, COMPLETE (E, PX)			
	A-4428-814-A	DISPLAY BOARD, COMPLETE (DE945)			
		**********			
*	4-955-901-01	CUSHION (FL)			
*	4-990-797-01	HOLDER (FL)			
		< CAPACITOR >			
C101	1-104-664-11	ELECT	47uF	20%	16V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

DISPLAY

Ref. No.	Part No.	Description			Remark
C102	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C103	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C104	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C105	1-104-905-11	CAPACITOR	0.22F		5.5V
C106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C107	1-126-786-11	ELECT	47uF	20%	16V
C108	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C109	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C110	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C111	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C113	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C114	1-126-967-11	ELECT	47uF	20%	50V
C115	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C116	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C117	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C118	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C120	1-104-664-11	ELECT	47uF	20%	16V
C121	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C122	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C124	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C125	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C152	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C153	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C154	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C155	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C158	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C159	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C160	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
CC11	1-165-319-11	CERAMIC CHIP	0.1uF		50V (DE945)
CC12	1-165-319-11	CERAMIC CHIP	0.1uF		50V (DE945)
CC13	1-165-319-11	CERAMIC CHIP	0.1uF		50V (DE945)
CC14	1-136-153-00	FILM	0.01uF	5%	50V (DE945)
CC15	1-136-153-00	FILM	0.01uF	5%	50V (DE945)
CC16	1-126-916-11	ELECT	1000uF	20%	6.3V (DE945)
		< CONNECTOR >			
CNP104	1-785-796-11	PIN, BOARD TO BOARD 5P			
* CNP105	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CNP106	1-785-796-11	PIN, BOARD TO BOARD 5P			
CNS102	1-568-850-11	CONNECTOR, FFC 7P (DE945)			
CNS101	1-784-778-11	CONNECTOR, FFC 17P (E, AUS, CH, PX)			
CNS101	1-784-782-11	CONNECTOR, FFC 21P (US, CND)			
CNS103	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
		< DIODE >			
D100	8-719-072-82	LED SELU5E20C-STP15 (MULTI CHANNEL DECODING)			
D102	8-719-053-18	DIODE 1SR154-400TE-25			
D103	8-719-016-74	DIODE 1SS352-TPH3			
D104	8-719-075-59	LED SELS5B23CTP15 (DIGITAL CINEMA SOUND)			
D105	8-719-313-45	LED SEL6810A-TH10 (EQUALIZER)			
D106	8-719-313-45	LED SEL6810A-TH10 (BASS BOOST)			

Ref. No.	Part No.	Description	Remark
D107	8-719-016-74	DIODE 1SS352-TPH3	
D108	8-719-016-74	DIODE 1SS352-TPH3 (DE945)	
D114	8-719-016-74	DIODE 1SS352-TPH3 (E, PX)	
D116	8-719-016-74	DIODE 1SS352-TPH3 (MY, SP, AUS, CH)	
D118	8-719-016-74	DIODE 1SS352-TPH3	
D119	8-719-046-39	LED SEL5821A-TP15 (LEVEL)	
D122	8-719-046-39	LED SEL5821A-TP15 (SUR)	
D123	8-719-046-39	LED SEL5821A-TP15 (EQ)	
D124	8-719-046-39	LED SEL5821A-TP15 (-/+)	
D151	8-719-046-39	LED SEL5821A-TP15 (NAME)	
D152	8-719-046-39	LED SEL5821A-TP15 (SET UP)	
D157	8-719-046-39	LED SEL5821A-TP15 (2CH)	
D158	8-719-046-39	LED SEL5821A-TP15 (MODE)	
D160	8-719-078-96	LED SEL5855ATP15 (TAPE)	
D161	8-719-078-96	LED SEL5855ATP15 (MD/DAT)	
D162	8-719-078-96	LED SEL5855ATP15 (CD)	
D163	8-719-078-96	LED SEL5855ATP15 (TUNER)	
D164	8-719-078-96	LED SEL5855ATP15 (DVD/LD)	
D165	8-719-078-96	LED SEL5855ATP15 (VIDEO 3)	
D166	8-719-078-96	LED SEL5855ATP15 (TV/SAT) (DE945)	
D167	8-719-078-96	LED SEL5855ATP15 (VIDEO 1)	
D168	8-719-078-96	LED SEL5855ATP15 (VIDEO 2)	
D169	8-719-046-39	LED SEL5821A-TP15 (A.F.D)	
D170	8-719-313-45	LED SEL6810A-TH10 (5.1CH INPUT) (DE945)	
D171	8-719-078-96	LED SEL5855ATP15 (5.1CH INPUT) (DE845)	
D172	8-719-078-96	LED SEL5855ATP15 (PHONO) (DE945)	
D180	8-719-016-74	DIODE 1SS352-TPH3	
DD11	8-719-016-74	DIODE 1SS352-TPH3 (DE945)	
DD12	8-719-016-74	DIODE 1SS352-TPH3 (DE945)	
DD13	8-719-016-74	DIODE 1SS352-TPH3 (DE945)	
DD14	8-719-059-14	LED SID313BP-TP19 (SIRCS) (DE945)	
DD15	8-719-075-86	LED SID307BRTP19 (SIRCS) (DE945)	
DD16	8-719-075-86	LED SID307BRTP19 (SIRCS) (DE945)	
		< FLUORESCENT INDICATOR TUBE >	
FL101	1-517-962-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC11	8-759-925-76	IC SN74HC08ANSR (DE945)	
IC12	8-759-666-99	IC TMP87C447U-1F23 (DE945)	
IC101	8-759-459-86	IC NJL64H400A (R)	
IC102	8-759-666-30	IC MB90553ABPF-G-169-BND	
IC103	8-759-679-75	IC ML9261MBZ060	
IC105	8-759-589-67	IC BA6208F-E2	
IC106	8-759-373-50	IC NJU3719L	
		< SHORT >	
JW1	1-216-295-00	SHORT 0 (DE945)	
		< TRANSISTOR >	
Q102	8-729-027-23	TRANSISTOR RT1P141C-TP-1	
Q108	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q109	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
QQ11	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L (DE945)	
QQ13	8-729-801-93	TRANSISTOR 2SD1387-34-TP (DE945)	
QQ14	8-729-801-93	TRANSISTOR 2SD1387-34-TP (DE945)	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R100	1-216-089-00	RES-CHIP	47K	5%	1/10W
R101	1-216-049-11	RES-CHIP	1K	5%	1/10W
R102	1-216-049-11	RES-CHIP	1K	5%	1/10W
R103	1-216-049-11	RES-CHIP	1K	5%	1/10W
R104	1-216-049-11	RES-CHIP	1K	5%	1/10W
R105	1-216-049-11	RES-CHIP	1K	5%	1/10W
R106	1-216-049-11	RES-CHIP	1K	5%	1/10W
⚠R107	1-249-385-11	CARBON	2.2	5%	1/6W F
⚠R108	1-249-385-11	CARBON	2.2	5%	1/6W F
R109	1-216-025-00	RES-CHIP	100	5%	1/10W (DE945)
R110	1-216-049-11	RES-CHIP	1K	5%	1/10W (DE945)
R111	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R112	1-216-037-00	METAL CHIP	330	5%	1/10W
R113	1-216-041-00	METAL CHIP	470	5%	1/10W
R114	1-216-045-00	METAL CHIP	680	5%	1/10W
R115	1-216-049-11	RES-CHIP	1K	5%	1/10W
R116	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R117	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R118	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R119	1-216-025-00	RES-CHIP	100	5%	1/10W (DE945)
R120	1-216-025-00	RES-CHIP	100	5%	1/10W (DE945)
R121	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R122	1-216-037-00	METAL CHIP	330	5%	1/10W
R123	1-216-041-00	METAL CHIP	470	5%	1/10W
R124	1-216-045-00	METAL CHIP	680	5%	1/10W
R125	1-216-049-11	RES-CHIP	1K	5%	1/10W
R126	1-216-073-00	METAL CHIP	10K	5%	1/10W
R127	1-216-073-00	METAL CHIP	10K	5%	1/10W
R129	1-216-025-00	RES-CHIP	100	5%	1/10W
R130	1-216-097-00	RES-CHIP	100K	5%	1/10W
R131	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R132	1-216-037-00	METAL CHIP	330	5%	1/10W
R133	1-216-041-00	METAL CHIP	470	5%	1/10W
R134	1-216-045-00	METAL CHIP	680	5%	1/10W
R135	1-216-049-11	RES-CHIP	1K	5%	1/10W
R136	1-216-053-00	METAL CHIP	1.5K	5%	1/10W (DE945)
R137	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (DE945)
R141	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R142	1-216-037-00	METAL CHIP	330	5%	1/10W
R143	1-216-041-00	METAL CHIP	470	5%	1/10W
R144	1-216-045-00	METAL CHIP	680	5%	1/10W
R145	1-216-049-11	RES-CHIP	1K	5%	1/10W
R146	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R147	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R148	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R151	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R161	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R171	1-216-073-00	METAL CHIP	10K	5%	1/10W
R172	1-216-001-00	METAL CHIP	10	5%	1/10W
R175	1-216-089-00	RES-CHIP	47K	5%	1/10W
R176	1-216-073-00	METAL CHIP	10K	5%	1/10W
R177	1-216-001-00	METAL CHIP	10	5%	1/10W
R178	1-216-073-00	METAL CHIP	10K	5%	1/10W
R179	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R180	1-216-081-00	METAL CHIP	22K	5%	1/10W
R181	1-216-081-00	METAL CHIP	22K	5%	1/10W
R182	1-216-049-11	RES-CHIP	1K	5%	1/10W
R183	1-216-049-11	RES-CHIP	1K	5%	1/10W
R184	1-216-049-11	RES-CHIP	1K	5%	1/10W
R185	1-216-049-11	RES-CHIP	1K	5%	1/10W
R186	1-216-049-11	RES-CHIP	1K	5%	1/10W
R187	1-216-049-11	RES-CHIP	1K	5%	1/10W
R188	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R189	1-216-117-00	METAL CHIP	680K	5%	1/10W
R190	1-216-097-00	RES-CHIP	100K	5%	1/10W
R191	1-216-073-00	METAL CHIP	10K	5%	1/10W
R192	1-216-073-00	METAL CHIP	10K	5%	1/10W
R193	1-216-073-00	METAL CHIP	10K	5%	1/10W
R194	1-216-073-00	METAL CHIP	10K	5%	1/10W
R195	1-216-065-00	RES-CHIP	4.7K	5%	1/10W (DE945)
R196	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
R197	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
R198	1-216-073-00	METAL CHIP	10K	5%	1/10W
R199	1-216-073-00	METAL CHIP	10K	5%	1/10W
RR11	1-216-025-00	RES-CHIP	100	5%	1/10W (US, CND)
RR12	1-216-025-00	RES-CHIP	100	5%	1/10W (US, CND)
RR13	1-216-025-00	RES-CHIP	100	5%	1/10W (US, CND)
RR14	1-216-025-00	RES-CHIP	100	5%	1/10W (US, CND)
RR15	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR16	1-216-065-00	RES-CHIP	4.7K	5%	1/10W (DE945)
RR17	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR18	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR19	1-216-298-00	METAL CHIP	2.2	5%	1/10W (DE945)
RR20	1-216-298-00	METAL CHIP	2.2	5%	1/10W (DE945)
RR21	1-216-295-00	SHORT	0 (DE945)		
RR22	1-216-295-00	SHORT	0 (DE945)		
RR23	1-216-097-00	RES-CHIP	100K	5%	1/10W (DE945)
RR24	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR25	1-216-089-00	RES-CHIP	47K	5%	1/10W
RR27	1-216-089-00	RES-CHIP	47K	5%	1/10W
RR28	1-216-089-00	RES-CHIP	47K	5%	1/10W
RR29	1-216-295-00	SHORT	0 (DE945)		
RR30	1-216-295-00	SHORT	0 (DE945)		
RR31	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR32	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
RR33	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR34	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR35	1-216-073-00	METAL CHIP	10K	5%	1/10W (DE945)
RR36	1-216-049-11	RES-CHIP	1K	5%	1/10W (DE945)
RR37	1-216-049-11	RES-CHIP	1K	5%	1/10W (DE945)
RR51	1-216-029-00	METAL CHIP	150	5%	1/10W
RR52	1-216-029-00	METAL CHIP	150	5%	1/10W
RR53	1-216-029-00	METAL CHIP	150	5%	1/10W
RR54	1-216-037-00	METAL CHIP	330	5%	1/10W
RR61	1-216-029-00	METAL CHIP	150	5%	1/10W
RR62	1-216-029-00	METAL CHIP	150	5%	1/10W
RR63	1-216-029-00	METAL CHIP	150	5%	1/10W
RR74	1-216-037-00	METAL CHIP	330	5%	1/10W
RR75	1-216-029-00	METAL CHIP	150	5%	1/10W
RR76	1-216-029-00	METAL CHIP	150	5%	1/10W
		< SWITCH >			
S111	1-771-349-21	SWITCH, KEYBOARD (<)			
S112	1-771-349-21	SWITCH, KEYBOARD (>)			
S113	1-771-349-21	SWITCH, KEYBOARD (LEVEL)			
S114	1-771-349-21	SWITCH, KEYBOARD (SUR)			
S115	1-771-349-21	SWITCH, KEYBOARD (EQ)			
S116	1-771-349-21	SWITCH, KEYBOARD (ENTER)			
S117	1-771-349-21	SWITCH, KEYBOARD (NAME)			
S118	1-771-349-21	SWITCH, KEYBOARD (SET UP)			
S121	1-771-349-21	SWITCH, KEYBOARD (C)			
S122	1-771-349-21	SWITCH, KEYBOARD (B)			
S123	1-771-349-21	SWITCH, KEYBOARD (A)			
S124	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S125	1-771-349-21	SWITCH, KEYBOARD (MODE)			
S131	1-771-349-21	SWITCH, KEYBOARD (DVD/LD)			
S132	1-771-349-21	SWITCH, KEYBOARD (VIDEO 3)			
S133	1-771-349-21	SWITCH, KEYBOARD (CD)			
S134	1-771-349-21	SWITCH, KEYBOARD (TUNER)			
S135	1-771-349-21	SWITCH, KEYBOARD (A.F.D)			
S136	1-771-349-21	SWITCH, KEYBOARD (PHONO) (DE945)			
S137	1-771-349-21	SWITCH, KEYBOARD (TV/SAT) (DE945)			
S141	1-771-349-21	SWITCH, KEYBOARD (MD/DAT)			
S142	1-771-349-21	SWITCH, KEYBOARD (VIDEO 2)			
S143	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S144	1-771-349-21	SWITCH, KEYBOARD (5.1CH INPUT) (DE945)			
S145	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)			
S146	1-771-349-21	SWITCH, KEYBOARD (DIMMER)			
S147	1-771-349-21	SWITCH, KEYBOARD (VUDEO 1)			
S148	1-771-349-21	SWITCH, KEYBOARD (TAPE)			
S149	1-771-349-21	SWITCH, KEYBOARD (5.1CH INPUT) (DE845)			
		< VIBRATOR >			
X11	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz) (DE945)			
X101	1-781-356-21	VIBRATOR, CERAMIC (6MHz)			

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Ref. No.	Part No.	Description			Remark
	1-677-002-11	H. P BOARD			
		**********			
		< CONNECTOR >			
CNP751	1-779-978-11	PIN, CONNECTOR 3P			
		< TERMINAL >			
* EB701	1-537-738-21	TERMINAL, EARTH			
		< JACK >			
J701	1-750-735-11	JACK (LARGE TYPE) (PHONES)			

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	1-676-992-11	JOINT (1) (H) BOARD (DE845)			
		**********			
		< CONNECTOR >			
CNP211	1-695-089-11	PIN, CONNECTOR (PC BOARD) 11P			
CNP212	1-695-089-11	PIN, CONNECTOR (PC BOARD) 11P			

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	A-4428-764-A	MAIN BOARD, COMPLETE (DE845: US)			
	A-4428-793-A	MAIN BOARD, COMPLETE (DE845: CND)			
	A-4428-794-A	MAIN BOARD, COMPLETE (EXCEPT US, CND)			
	A-4428-813-A	MAIN BOARD, COMPLETE (DE945: US)			
	A-4428-822-A	MAIN BOARD, COMPLETE (DE945: CND)			
		**********			
	7-685-872-09	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C301	1-126-961-11	ELECT	2.2uF	20%	50V
C302	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US, CND)
C303	1-126-934-11	ELECT	220uF	20%	10V
C304	1-125-896-91	MYLAR	0.0091uF	5%	50V
C305	1-136-159-00	MYLAR	0.033uF	5%	50V
C306	1-126-961-11	ELECT	2.2uF	20%	50V
C307	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US, CND)
C308	1-128-813-11	CERAMIC	220PF	5%	50V (EXCEPT US, CND)
C309	1-128-809-11	CERAMIC	100PF	5%	50V (DE945)
C311	1-126-965-11	ELECT	22uF	20%	50V
C312	1-127-868-11	CERAMIC	2200PF	10%	50V
C313	1-127-868-11	CERAMIC	2200PF	10%	50V
C314	1-128-825-11	CERAMIC	2200PF	5%	50V (DE945)
C315	1-127-868-11	CERAMIC	2200PF	10%	50V
C320	1-126-965-11	ELECT	22uF	20%	50V (DE945)
C330	1-126-965-11	ELECT	22uF	20%	50V (DE945)
C331	1-126-965-11	ELECT	22uF	20%	50V
C340	1-127-880-11	CERAMIC	0.022uF	10%	50V (DE945)
C350	1-127-880-11	CERAMIC	0.022uF	10%	50V (DE945)
C351	1-126-961-11	ELECT	2.2uF	20%	50V

Ref. No.	Part No.	Description			Remark
C352	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US, CND)
C353	1-126-934-11	ELECT	220uF	20%	10V
C354	1-125-896-91	MYLAR	0.0091uF	5%	50V
C355	1-136-159-00	MYLAR	0.033uF	5%	50V
C356	1-126-961-11	ELECT	2.2uF	20%	50V
C357	1-128-809-11	CERAMIC	100PF	5%	50V (EXCEPT US, CND)
C358	1-128-813-11	CERAMIC	220PF	5%	50V (EXCEPT US, CND)
C361	1-126-965-11	ELECT	22uF	20%	50V
C370	1-126-965-11	ELECT	22uF	20%	50V (DE945)
C380	1-126-965-11	ELECT	22uF	20%	50V (DE945)
C381	1-126-965-11	ELECT	22uF	20%	50V
C388	1-127-880-11	CERAMIC	0.022uF	10%	50V
C389	1-127-880-11	CERAMIC	0.022uF	10%	50V
C392	1-127-880-11	CERAMIC	0.022uF	10%	50V
C394	1-127-880-11	CERAMIC	0.022uF	10%	50V
C395	1-128-809-11	CERAMIC	100PF	5%	50V
C396	1-127-880-11	CERAMIC	0.022uF	10%	50V
C397	1-127-880-11	CERAMIC	0.022uF	10%	50V
C398	1-128-809-11	CERAMIC	100PF	5%	50V
C401	1-127-880-11	CERAMIC	0.022uF	10%	50V
C402	1-127-880-11	CERAMIC	0.022uF	10%	50V
C403	1-128-809-11	CERAMIC	100PF	5%	50V
C404	1-128-809-11	CERAMIC	100PF	5%	50V
C410	1-126-965-11	ELECT	22uF	20%	50V
C411	1-126-965-11	ELECT	22uF	20%	50V
C412	1-126-965-11	ELECT	22uF	20%	50V
C416	1-126-965-11	ELECT	22uF	20%	50V
C417	1-126-965-11	ELECT	22uF	20%	50V
C418	1-126-965-11	ELECT	22uF	20%	50V
C419	1-128-809-11	CERAMIC	100PF	5%	50V
C421	1-128-809-11	CERAMIC	100PF	5%	50V
C422	1-128-809-11	CERAMIC	100PF	5%	50V
C423	1-128-809-11	CERAMIC	100PF	5%	50V
C460	1-126-965-11	ELECT	22uF	20%	50V
C461	1-126-965-11	ELECT	22uF	20%	50V
C462	1-126-965-11	ELECT	22uF	20%	50V
C466	1-126-965-11	ELECT	22uF	20%	50V
C467	1-126-965-11	ELECT	22uF	20%	50V
C468	1-126-965-11	ELECT	22uF	20%	50V
C471	1-128-809-11	CERAMIC	100PF	5%	50V
C472	1-128-809-11	CERAMIC	100PF	5%	50V
C473	1-128-809-11	CERAMIC	100PF	5%	50V
C481	1-136-173-00	MYLAR	0.47uF	5%	50V
C482	1-136-173-00	MYLAR	0.47uF	5%	50V
C491	1-104-664-11	ELECT	47uF	20%	16V
C496	1-126-942-61	ELECT	1000uF	20%	25V
C497	1-126-942-61	ELECT	1000uF	20%	25V
C499	1-104-664-11	ELECT	47uF	20%	16V
C501	1-126-965-11	ELECT	22uF	20%	50V
C502	1-128-811-11	CERAMIC	150PF	5%	50V
C503	1-102-233-00	CERAMIC	33PF	10%	500V
C505	1-126-934-11	ELECT	220uF	20%	10V
C521	1-107-597-11	CERAMIC	22PF	10%	500V
C522	1-107-597-11	CERAMIC	22PF	10%	500V
C523	1-128-813-11	CERAMIC	220PF	5%	50V
C524	1-126-795-11	ELECT	10uF	20%	50V
C525	1-136-157-00	MYLAR	0.022uF	5%	50V
C526	1-136-153-00	FILM	0.01uF	5%	50V
C539	1-128-809-11	CERAMIC	100PF	5%	50V
C551	1-126-965-11	ELECT	22uF	20%	50V
C552	1-128-811-11	CERAMIC	150PF	5%	50V
C553	1-102-233-00	CERAMIC	33PF	10%	500V
C555	1-126-934-11	ELECT	220uF	20%	10V
C571	1-107-597-11	CERAMIC	22PF	10%	500V
C572	1-107-597-11	CERAMIC	22PF	10%	500V
C573	1-128-813-11	CERAMIC	220PF	5%	50V
C574	1-126-964-11	ELECT	10uF	20%	50V
C575	1-136-157-00	MYLAR	0.022uF	5%	50V
C576	1-136-153-00	FILM	0.01uF	5%	50V
C589	1-128-809-11	CERAMIC	100PF	5%	50V
C590	1-126-935-11	ELECT	470uF	20%	6.3V
C594	1-128-560-11	ELECT	22uF	20%	100V
C595	1-128-560-11	ELECT	22uF	20%	100V
C598	1-126-965-11	ELECT	22uF	20%	50V
C601	1-126-965-11	ELECT	22uF	20%	50V
C602	1-128-811-11	CERAMIC	150PF	5%	50V
C603	1-102-233-00	CERAMIC	33PF	10%	500V
C605	1-126-934-11	ELECT	220uF	20%	10V
C621	1-107-597-11	CERAMIC	22PF	10%	500V
C622	1-107-597-11	CERAMIC	22PF	10%	500V
C623	1-128-813-11	CERAMIC	220PF	5%	50V
C624	1-126-964-11	ELECT	10uF	20%	50V
C625	1-136-157-00	MYLAR	0.022uF	5%	50V
C626	1-136-153-00	FILM	0.01uF	5%	50V
C639	1-128-809-11	CERAMIC	100PF	5%	50V
C651	1-126-796-11	ELECT	22uF	20%	50V
C652	1-126-796-11	ELECT	22uF	20%	50V
C701	1-126-965-11	ELECT	22uF	20%	50V
C702	1-128-811-11	CERAMIC	150PF	5%	50V
C703	1-102-233-00	CERAMIC	33PF	10%	500V
C705	1-126-934-11	ELECT	220uF	20%	10V
C721	1-107-597-11	CERAMIC	22PF	10%	500V
C722	1-107-597-11	CERAMIC	22PF	10%	500V
C723	1-128-813-11	CERAMIC	220PF	5%	50V
C724	1-126-964-11	ELECT	10uF	20%	50V
C725	1-136-157-00	MYLAR	0.022uF	5%	50V
C726	1-136-153-00	FILM	0.01uF	5%	50V
C739	1-128-809-11	CERAMIC	100PF	5%	50V
C751	1-126-965-11	ELECT	22uF	20%	50V
C752	1-128-811-11	CERAMIC	150PF	5%	50V
C753	1-102-233-00	CERAMIC	33PF	10%	500V
C755	1-126-934-11	ELECT	220uF	20%	10V
C771	1-107-597-11	CERAMIC	22PF	10%	500V
C772	1-107-597-11	CERAMIC	22PF	10%	500V
C773	1-128-813-11	CERAMIC	220PF	5%	50V
C775	1-136-157-00	MYLAR	0.022uF	5%	50V
C789	1-128-809-11	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
CNP301	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P			
CNP511	1-784-921-11	PIN, CONNECTOR 4P			

MAIN

Ref. No.	Part No.	Description	Remark
CNP561	1-784-921-11	PIN, CONNECTOR 4P	
CNP601	1-785-104-11	PIN, CONNECTOR 6P	
CNP602	1-785-104-11	PIN, CONNECTOR 6P	
CNP603	1-779-978-11	PIN, CONNECTOR 3P	
CNP611	1-784-921-11	PIN, CONNECTOR 4P	
CNP711	1-784-921-11	PIN, CONNECTOR 4P	
CNP751	1-779-978-21	PIN, CONNECTOR 3P	
CNP761	1-784-921-11	PIN, CONNECTOR 4P	
CNP811	1-785-102-11	PIN, CONNECTOR 4P	
CNP812	1-784-924-11	PIN, CONNECTOR 8P	
CNS302	1-784-784-11	CONNECTOR, FFC 23P	
CNS305	1-779-978-11	PIN, CONNECTOR 3P (DE945)	
CNS306	1-784-782-11	CONNECTOR, FFC 21P	
		< DIODE >	
D301	8-719-911-19	DIODE 1SS133T-72 (DE945)	
D501	8-719-911-19	DIODE 1SS133T-72	
D502	8-719-109-51	DIODE MTZJ-T-72-2.2	
D503	8-719-109-51	DIODE MTZJ-T-72-2.2	
D504	8-719-911-19	DIODE 1SS133T-72	
D505	8-719-911-19	DIODE 1SS133T-72	
D506	8-719-911-19	DIODE 1SS133T-72	
D545	8-719-911-19	DIODE 1SS133T-72	
D546	8-719-911-19	DIODE 1SS133T-72	
D547	8-719-911-19	DIODE 1SS133T-72	
D548	8-719-911-19	DIODE 1SS133T-72	
D549	8-719-911-19	DIODE 1SS133T-72	
D551	8-719-911-19	DIODE 1SS133T-72	
D552	8-719-109-51	DIODE MTZJ-T-72-2.2	
D553	8-719-109-51	DIODE MTZJ-T-72-2.2	
D554	8-719-911-19	DIODE 1SS133T-72	
D555	8-719-911-19	DIODE 1SS133T-72	
D556	8-719-911-19	DIODE 1SS133T-72	
D598	8-719-911-19	DIODE 1SS133T-72	
D599	8-719-911-19	DIODE 1SS133T-72	
D601	8-719-911-19	DIODE 1SS133T-72	
D602	8-719-109-51	DIODE MTZJ-T-72-2.2	
D603	8-719-109-51	DIODE MTZJ-T-72-2.2	
D604	8-719-911-19	DIODE 1SS133T-72	
D605	8-719-911-19	DIODE 1SS133T-72	
D606	8-719-911-19	DIODE 1SS133T-72	
D607	8-719-911-19	DIODE 1SS133T-72	
D608	8-719-911-19	DIODE 1SS133T-72	
D649	8-719-911-19	DIODE 1SS133T-72	
D681	8-719-911-19	DIODE 1SS133T-72	
D698	8-719-911-19	DIODE 1SS133T-72	
D701	8-719-911-19	DIODE 1SS133T-72	
D702	8-719-109-51	DIODE MTZJ-T-72-2.2	
D703	8-719-109-51	DIODE MTZJ-T-72-2.2	
D704	8-719-911-19	DIODE 1SS133T-72	
D705	8-719-911-19	DIODE 1SS133T-72	
D706	8-719-911-19	DIODE 1SS133T-72	
D749	8-719-911-19	DIODE 1SS133T-72	
D751	8-719-911-19	DIODE 1SS133T-72	
D752	8-719-109-51	DIODE MTZJ-T-72-2.2	
D753	8-719-109-51	DIODE MTZJ-T-72-2.2	
D754	8-719-911-19	DIODE 1SS133T-72	
D798	8-719-911-19	DIODE 1SS133T-72	
D799	8-719-911-19	DIODE 1SS133T-72	
		< IC >	
IC301	8-759-582-64	IC TC9273N-004	
IC302	8-759-636-74	IC M5218AP-22	
IC303	8-759-582-65	IC TC9273N-014	
IC304	8-759-636-74	IC M5218AP-22	
IC309	8-759-636-74	IC M5218AP-22 (DE945)	
IC330	8-759-582-66	IC TC9273N-013 (DE945)	
IC401	8-759-231-59	IC M5F7815L	
IC402	8-759-245-87	IC M5F7915L	
IC404	8-759-708-05	IC NJM78L05A-T3	
IC405	8-759-245-79	IC M5F7905L	
IC408	8-759-636-74	IC M5218AP-22	
IC409	8-759-636-74	IC M5218AP-22	
IC410	8-759-636-74	IC M5218AP-22	
IC414	8-759-534-63	IC TC9299P	
IC415	8-759-534-63	IC TC9299P	
IC416	8-759-534-63	IC TC9299P	
IC501	8-759-326-52	IC uPC2581V	
IC601	8-759-326-52	IC uPC2581V	
IC651	8-759-636-74	IC M5218AP-22	
IC701	8-759-326-52	IC uPC2581V	
		< JACK >	
J301	1-695-188-31	JACK, PIN 4P (PHONO, CD)	
J302	1-695-188-31	JACK, PIN 4P (DE845: MD/TAPE, DE945: MD/DAT)	
J303	1-695-188-31	JACK, PIN 4P (TAPE IN/REC OUT) (DE945)	
J304	1-774-411-11	JACK, PIN 6P (VIDEO 1, VIDEO2)	
J305	1-774-411-11	JACK, PIN 6P (TV/SAT, DVD/LD)	
J306	1-774-822-11	JACK, PIN 2P (2ND AUDIO OUT) (DE945)	
		< COIL >	
L501	1-420-872-00	COIL, AIR-CORE	
L551	1-420-872-00	COIL, AIR-CORE	
		< TRANSISTOR >	
Q301	8-729-119-79	TRANSISTOR 2SC2785TP-FEK (DE945)	
Q501	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q503	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q506	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q506	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q507	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q507	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q508	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q509	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q510	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q511	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q546	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q547	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q548	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q549	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q556	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q556	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q557	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q557	8-749-010-25	IC MN2488-OPY-M (DE845)	

Ref. No.	Part No.	Description				Remark
Q558	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q559	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			
Q560	8-729-900-63	TRANSISTOR	BN1F4M-TP			
Q561	8-729-900-63	TRANSISTOR	BN1F4M-TP			
Q596	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			
Q598	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q599	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q601	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			
Q606	8-729-051-93	TRANSISTOR 2SB1647 (DE945)				
Q606	8-749-010-26	IC MP1620-OPY-M (DE845)				
Q607	8-729-051-92	TRANSISTOR 2SD2560 (DE945)				
Q607	8-749-010-25	IC MN2488-OPY-M (DE845)				
Q608	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q609	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			
Q610	8-729-900-63	TRANSISTOR	BN1F4M-TP			
Q611	8-729-900-63	TRANSISTOR	BN1F4M-TP			
Q613	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			
Q645	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			
Q681	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			
Q698	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q706	8-729-051-93	TRANSISTOR 2SB1647 (DE945)				
Q706	8-749-010-26	IC MP1620-OPY-M (DE845)				
Q707	8-729-051-92	TRANSISTOR 2SD2560 (DE945)				
Q707	8-749-010-25	IC MN2488-OPY-M (DE845)				
Q708	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q709	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			
Q710	8-729-900-63	TRANSISTOR	BN1F4M-TP			
Q745	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			
Q756	8-729-051-93	TRANSISTOR 2SB1647 (DE945)				
Q756	8-749-010-26	IC MP1620-OPY-M (DE845)				
Q757	8-729-051-92	TRANSISTOR 2SD2560 (DE945)				
Q757	8-749-010-25	IC MN2488-OPY-M (DE845)				
Q758	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q798	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
Q799	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA			
		< RESISTOR >				
R301	1-249-421-11	CARBON	2.2K	5%	1/4W (EXCEPT US, CND)	
R302	1-249-441-11	CARBON	100K	5%	1/4W	
R303	1-249-440-11	CARBON	82K	5%	1/4W	
R304	1-249-408-11	CARBON	180	5%	1/4W	
R305	1-249-428-11	CARBON	8.2K	5%	1/4W	
R306	1-249-441-11	CARBON	100K	5%	1/4W	
R307	1-247-807-31	CARBON	100	5%	1/4W	
R308	1-249-441-11	CARBON	100K	5%	1/4W	
R309	1-249-413-11	CARBON	470	5%	1/4W	
R310	1-249-417-11	CARBON	1K	5%	1/4W	
R311	1-249-421-11	CARBON	2.2K	5%	1/4W	
R312	1-249-417-11	CARBON	1K	5%	1/4W	
R313	1-249-421-11	CARBON	2.2K	5%	1/4W (DE945)	
R314	1-249-417-11	CARBON	1K	5%	1/4W (DE945)	
⚠R315	1-249-393-11	CARBON	10	5%	1/4W F (DE945)	
R316	1-249-421-11	CARBON	2.2K	5%	1/4W	
R317	1-249-417-11	CARBON	1K	5%	1/4W	
R318	1-249-421-11	CARBON	2.2K	5%	1/4W	
R319	1-249-417-11	CARBON	1K	5%	1/4W	
R320	1-249-417-11	CARBON	1K	5%	1/4W	
R321	1-247-807-31	CARBON	100	5%	1/4W (DE945)	
R322	1-249-417-11	CARBON	1K	5%	1/4W (DE945)	
R326	1-249-417-11	CARBON	1K	5%	1/4W	
R330	1-247-887-00	CARBON	220K	5%	1/4W (DE945)	
R331	1-247-887-00	CARBON	220K	5%	1/4W	
R335	1-247-887-00	CARBON	220K	5%	1/4W	
R336	1-249-429-11	CARBON	10K	5%	1/4W (DE945)	
R337	1-249-425-11	CARBON	4.7K	5%	1/4W (DE945)	
R338	1-249-441-11	CARBON	100K	5%	1/4W (DE945)	
R341	1-249-437-11	CARBON	47K	5%	1/4W	
R342	1-249-425-11	CARBON	4.7K	5%	1/4W (DE945)	
R351	1-249-421-11	CARBON	2.2K	5%	1/4W (EXCEPT US, CND)	
R352	1-249-441-11	CARBON	100K	5%	1/4W	
R353	1-249-440-11	CARBON	82K	5%	1/4W	
R354	1-249-408-11	CARBON	180	5%	1/4W	
R355	1-249-428-11	CARBON	8.2K	5%	1/4W	
R356	1-249-441-11	CARBON	100K	5%	1/4W	
R357	1-247-807-31	CARBON	100	5%	1/4W	
R358	1-249-441-11	CARBON	100K	5%	1/4W	
R359	1-249-413-11	CARBON	470	5%	1/4W	
R360	1-249-417-11	CARBON	1K	5%	1/4W	
R361	1-249-421-11	CARBON	2.2K	5%	1/4W	
R362	1-249-417-11	CARBON	1K	5%	1/4W	
R363	1-249-421-11	CARBON	2.2K	5%	1/4W (DE945)	
R364	1-249-417-11	CARBON	1K	5%	1/4W (DE945)	
R366	1-249-421-11	CARBON	2.2K	5%	1/4W	
R367	1-249-417-11	CARBON	1K	5%	1/4W	
R368	1-249-421-11	CARBON	2.2K	5%	1/4W	
R369	1-249-417-11	CARBON	1K	5%	1/4W	
R370	1-249-417-11	CARBON	1K	5%	1/4W	
R371	1-247-807-31	CARBON	100	5%	1/4W (DE945)	
R376	1-249-417-11	CARBON	1K	5%	1/4W	
R380	1-247-887-00	CARBON	220K	5%	1/4W (DE945)	
R381	1-247-887-00	CARBON	220K	5%	1/4W	
R385	1-247-887-00	CARBON	220K	5%	1/4W	
R388	1-249-441-11	CARBON	100K	5%	1/4W (DE945)	
R391	1-249-437-11	CARBON	47K	5%	1/4W	
R392	1-249-425-11	CARBON	4.7K	5%	1/4W (DE945)	
R396	1-249-417-11	CARBON	1K	5%	1/4W	
R398	1-249-417-11	CARBON	1K	5%	1/4W	
R401	1-249-417-11	CARBON	1K	5%	1/4W	
R402	1-249-417-11	CARBON	1K	5%	1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

MAIN

Ref. No.	Part No.	Description			Remark
R403	1-249-417-11	CARBON	1K	5%	1/4W
R404	1-249-417-11	CARBON	1K	5%	1/4W
R405	1-249-417-11	CARBON	1K	5%	1/4W
R406	1-249-417-11	CARBON	1K	5%	1/4W
R407	1-249-417-11	CARBON	1K	5%	1/4W
R408	1-249-417-11	CARBON	1K	5%	1/4W
R413	1-249-441-11	CARBON	100K	5%	1/4W
R414	1-249-441-11	CARBON	100K	5%	1/4W
R415	1-249-441-11	CARBON	100K	5%	1/4W
R416	1-249-426-11	CARBON	5.6K	5%	1/4W
R417	1-249-425-11	CARBON	4.7K	5%	1/4W
R418	1-249-425-11	CARBON	4.7K	5%	1/4W
R419	1-249-437-11	CARBON	47K	5%	1/4W
R420	1-249-437-11	CARBON	47K	5%	1/4W
R421	1-249-437-11	CARBON	47K	5%	1/4W
R430	1-247-887-00	CARBON	220K	5%	1/4W (DE945)
R452	1-249-417-11	CARBON	1K	5%	1/4W
R453	1-249-417-11	CARBON	1K	5%	1/4W
R454	1-249-417-11	CARBON	1K	5%	1/4W
R463	1-249-441-11	CARBON	100K	5%	1/4W
R464	1-249-441-11	CARBON	100K	5%	1/4W
R465	1-249-441-11	CARBON	100K	5%	1/4W
R466	1-249-426-11	CARBON	5.6K	5%	1/4W
R467	1-249-437-11	CARBON	47K	5%	1/4W
R468	1-249-425-11	CARBON	4.7K	5%	1/4W
R469	1-249-437-11	CARBON	47K	5%	1/4W
R470	1-249-437-11	CARBON	47K	5%	1/4W
R471	1-249-437-11	CARBON	47K	5%	1/4W
R480	1-247-887-00	CARBON	220K	5%	1/4W (DE945)
R501	1-249-417-11	CARBON	1K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-439-11	CARBON	68K	5%	1/4W
R504	1-247-843-11	CARBON	3.3K	5%	1/4W
R505	1-249-439-11	CARBON	68K	5%	1/4W
⚠R524	1-249-405-11	CARBON	100	5%	1/4W F
⚠R525	1-249-405-11	CARBON	100	5%	1/4W F
⚠R526	1-240-924-11	ENCAPSULATED COMPONENT	0.22		5W F
⚠R527	1-240-855-91	CARBON	6.2K	5%	1/4W F
R528	1-249-425-11	CARBON	4.7K	5%	1/4W
R529	1-247-866-11	CARBON	30K	5%	1/4W
R530	1-249-421-11	CARBON	2.2K	5%	1/4W
R531	1-249-433-11	CARBON	22K	5%	1/4W
R532	1-249-437-11	CARBON	47K	5%	1/4W
⚠R533	1-249-393-11	CARBON	10	5%	1/4W F
⚠R534	1-249-389-11	CARBON	4.7	5%	1/4W F
R535	1-249-431-11	CARBON	15K	5%	1/4W
R539	1-249-427-11	CARBON	6.8K	5%	1/4W
R540	1-249-417-11	CARBON	1K	5%	1/4W
R541	1-249-436-11	CARBON	39K	5%	1/4W
R542	1-249-429-11	CARBON	10K	5%	1/4W
R547	1-249-425-11	CARBON	4.7K	5%	1/4W
R548	1-249-429-11	CARBON	10K	5%	1/4W
⚠R549	1-249-393-11	CARBON	10	5%	1/4W F
R551	1-249-417-11	CARBON	1K	5%	1/4W
R552	1-249-439-11	CARBON	68K	5%	1/4W
R553	1-249-439-11	CARBON	68K	5%	1/4W
R554	1-247-843-11	CARBON	3.3K	5%	1/4W
R555	1-249-439-11	CARBON	68K	5%	1/4W
R556	1-249-437-11	CARBON	47K	5%	1/4W
⚠R574	1-249-405-11	CARBON	100	5%	1/4W F
⚠R575	1-249-405-11	CARBON	100	5%	1/4W F
⚠R576	1-234-182-11	ENCAPSULATED COMPONENT	0.22		5W F
⚠R577	1-240-855-91	CARBON	6.2K	5%	1/4W F
R578	1-249-425-11	CARBON	4.7K	5%	1/4W
R579	1-247-866-11	CARBON	30K	5%	1/4W
R580	1-249-421-11	CARBON	2.2K	5%	1/4W
R581	1-249-433-11	CARBON	22K	5%	1/4W
R582	1-249-437-11	CARBON	47K	5%	1/4W
⚠R583	1-249-393-11	CARBON	10	5%	1/4W F
⚠R584	1-249-389-11	CARBON	4.7	5%	1/4W F
R585	1-249-431-11	CARBON	15K	5%	1/4W
R586	1-249-429-11	CARBON	10K	5%	1/4W
R587	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R588	1-249-393-11	CARBON	10	5%	1/4W F
R590	1-249-433-11	CARBON	22K	5%	1/4W
⚠R592	1-249-381-11	CARBON	1	5%	1/4W F
⚠R593	1-249-381-11	CARBON	1	5%	1/4W F
R594	1-249-425-11	CARBON	4.7K	5%	1/4W
R595	1-249-420-11	CARBON	1.8K	5%	1/4W
R596	1-249-431-11	CARBON	15K	5%	1/4W
R597	1-249-420-11	CARBON	1.8K	5%	1/4W
R599	1-249-431-11	CARBON	15K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-439-11	CARBON	68K	5%	1/4W
R604	1-249-418-11	CARBON	1.2K	5%	1/4W
⚠R624	1-249-405-11	CARBON	100	5%	1/4W F
⚠R625	1-249-405-11	CARBON	100	5%	1/4W F
⚠R626	1-234-182-11	ENCAPSULATED COMPONENT	0.22		5W F
⚠R627	1-240-855-91	CARBON	6.2K	5%	1/4W F
R628	1-249-425-11	CARBON	4.7K	5%	1/4W
R629	1-247-866-11	CARBON	30K	5%	1/4W
R630	1-249-421-11	CARBON	2.2K	5%	1/4W
R631	1-249-433-11	CARBON	22K	5%	1/4W
R632	1-249-437-11	CARBON	47K	5%	1/4W
⚠R633	1-249-393-11	CARBON	10	5%	1/4W F
R634	1-249-441-11	CARBON	100K	5%	1/4W
R635	1-249-431-11	CARBON	15K	5%	1/4W
R636	1-249-433-11	CARBON	22K	5%	1/4W
⚠R642	1-216-453-00	METAL OXIDE	270	5%	2W F (US, E)
⚠R642	1-216-454-11	METAL OXIDE	390	5%	2W F (EXCEPT US, CND, E)
⚠R642	1-215-890-11	METAL OXIDE	470	5%	2W F (CND)
R643	1-249-433-11	CARBON	22K	5%	1/4W
R647	1-249-429-11	CARBON	10K	5%	1/4W
R648	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R649	1-249-393-11	CARBON	10	5%	1/4W F
R650	1-249-425-11	CARBON	4.7K	5%	1/4W
R651	1-249-417-11	CARBON	1K	5%	1/4W
R652	1-249-427-11	CARBON	6.8K	5%	1/4W
R653	1-249-441-11	CARBON	100K	5%	1/4W
R654	1-249-439-11	CARBON	68K	5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
R655	1-249-439-11	CARBON	68K	5%	1/4W
R657	1-249-429-11	CARBON	10K	5%	1/4W
⚠R658	1-249-393-11	CARBON	10	5%	1/4W F
R680	1-249-429-11	CARBON	10K	5%	1/4W
R681	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R682	1-249-393-11	CARBON	10	5%	1/4W F
R690	1-249-433-11	CARBON	22K	5%	1/4W
R695	1-249-420-11	CARBON	1.8K	5%	1/4W
R696	1-249-431-11	CARBON	15K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-439-11	CARBON	68K	5%	1/4W
R704	1-249-418-11	CARBON	1.2K	5%	1/4W
R705	1-249-439-11	CARBON	68K	5%	1/4W
⚠R724	1-249-405-11	CARBON	100	5%	1/4W F
⚠R725	1-249-405-11	CARBON	100	5%	1/4W F
⚠R726	1-234-182-11	ENCAPSULATED COMPONENT	0.22		5W F
⚠R727	1-240-855-91	CARBON	6.2K	5%	1/4W F
R728	1-249-425-11	CARBON	4.7K	5%	1/4W
R729	1-247-866-11	CARBON	30K	5%	1/4W
R730	1-249-421-11	CARBON	2.2K	5%	1/4W
R731	1-249-433-11	CARBON	22K	5%	1/4W
R732	1-249-437-11	CARBON	47K	5%	1/4W
⚠R733	1-249-393-11	CARBON	10	5%	1/4W F
R735	1-249-431-11	CARBON	15K	5%	1/4W
⚠R739	1-215-868-00	METAL OXIDE	680	5%	1W F
R747	1-249-429-11	CARBON	10K	5%	1/4W
R748	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R749	1-249-393-11	CARBON	10	5%	1/4W F
R751	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-439-11	CARBON	68K	5%	1/4W
R754	1-249-418-11	CARBON	1.2K	5%	1/4W
R755	1-249-439-11	CARBON	68K	5%	1/4W
⚠R774	1-249-405-11	CARBON	100	5%	1/4W F
⚠R775	1-249-405-11	CARBON	100	5%	1/4W F
⚠R776	1-234-182-11	ENCAPSULATED COMPONENT	0.22		5W F
⚠R777	1-240-855-91	CARBON	6.2K	5%	1/4W F
R778	1-249-425-11	CARBON	4.7K	5%	1/4W
R782	1-249-437-11	CARBON	47K	5%	1/4W
⚠R783	1-249-393-11	CARBON	10	5%	1/4W F
⚠R789	1-215-868-00	METAL OXIDE	680	5%	1W F
R790	1-249-433-11	CARBON	22K	5%	1/4W
R791	1-249-431-11	CARBON	15K	5%	1/4W
R795	1-249-420-11	CARBON	1.8K	5%	1/4W
R796	1-249-420-11	CARBON	1.8K	5%	1/4W
R799	1-249-431-11	CARBON	15K	5%	1/4W
		< RELAY >			
RY301	1-515-793-11	RELAY 24V (DE945)			
RY501	1-515-920-11	RELAY (24V)			
RY502	1-515-920-11	RELAY (24V)			
RY601	1-515-920-11	RELAY (24V)			
RY602	1-515-793-11	RELAY			
RY681	1-515-793-11	RELAY			
RY701	1-515-920-11	RELAY (24V)			

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Ref. No.	Part No.	Description			Remark
	1-677-000-11	MUTING BOARD			
		**********			
		< CAPACITOR >			
C112	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C119	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< DIODE >			
D101	8-719-046-39	LED SEL5821A-TP15 (MUTING)			
		< RESISTOR >			
R152	1-216-037-00	METAL CHIP	330	5%	1/10W
R153	1-216-041-00	METAL CHIP	470	5%	1/10W
R154	1-216-045-00	METAL CHIP	680	5%	1/10W
R155	1-216-049-11	RES-CHIP	1K	5%	1/10W
R156	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R157	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (DE945)
R162	1-216-037-00	METAL CHIP	330	5%	1/10W
R163	1-216-041-00	METAL CHIP	470	5%	1/10W
R164	1-216-045-00	METAL CHIP	680	5%	1/10W
R165	1-216-049-11	RES-CHIP	1K	5%	1/10W
RR55	1-216-037-00	METAL CHIP	330	5%	1/10W
		< SWITCH >			
S151	1-771-349-21	SWITCH, KEYBOARD (PRESET -)			
S152	1-771-349-21	SWITCH, KEYBOARD (TUNING -)			
S153	1-771-349-21	SWITCH, KEYBOARD (TUNING +)			
S154	1-771-349-21	SWITCH, KEYBOARD (SHIFT)			
S155	1-771-349-21	SWITCH, KEYBOARD (PRESET +)			
S156	1-771-349-21	SWITCH, KEYBOARD (MEMORY)			
S157	1-771-349-21	SWITCH, KEYBOARD (2ND AUDIO) (DE945)			
S161	1-771-349-21	SWITCH, KEYBOARD (FM/AM)			
S162	1-771-349-21	SWITCH, KEYBOARD (FM MODE)			
S163	1-771-349-21	SWITCH, KEYBOARD (EQUALIZER)			
S164	1-771-349-21	SWITCH, KEYBOARD (BASS BOOST)			
S165	1-771-349-21	SWITCH, KEYBOARD (MUTING)			

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	A-4428-818-A	OSD BOARD, COMPLETE (DE945)			
		**********			
		< CAPACITOR >			
C2001	1-126-925-11	ELECT	470uF	20%	10V
C2002	1-126-925-11	ELECT	470uF	20%	10V
C2003	1-164-159-11	CERAMIC	0.1uF		50V
C2004	1-164-159-11	CERAMIC	0.1uF		50V
C2005	1-126-960-11	ELECT	1uF	20%	50V
C2006	1-104-664-11	ELECT	47uF	20%	16V
C2009	1-128-801-11	CERAMIC	22PF	5%	50V
C2010	1-164-159-11	CERAMIC	0.1uF		50V
C2011	1-162-198-31	CERAMIC	8.2PF	10%	50V
C2012	1-104-664-11	ELECT	47uF	20%	16V
C2013	1-164-159-11	CERAMIC	0.1uF		50V
C2014	1-162-199-31	CERAMIC	10PF	5%	50V
C2015	1-128-803-11	CERAMIC	33PF	5%	50V
C2016	1-128-809-11	CERAMIC	100PF	5%	50V
C2017	1-104-656-11	ELECT	2200uF	20%	6.3V

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OSD

Ref. No.	Part No.	Description			Remark
C2018	1-126-964-11	ELECT	10uF	20%	50V
C2019	1-164-159-11	CERAMIC	0.1uF		50V
C2020	1-126-964-11	ELECT	10uF	20%	50V
C2023	1-164-159-11	CERAMIC	0.1uF		50V
C2024	1-126-964-11	ELECT	10uF	20%	50V
C2025	1-126-964-11	ELECT	10uF	20%	50V
C2026	1-126-964-11	ELECT	10uF	20%	50V
C2027	1-126-964-11	ELECT	10uF	20%	50V
C2028	1-164-159-11	CERAMIC	0.1uF		50V
C2029	1-128-805-11	CERAMIC	47PF	5%	50V
C2030	1-164-159-11	CERAMIC	0.1uF		50V
C2031	1-128-805-11	CERAMIC	47PF	5%	50V
C2032	1-128-805-11	CERAMIC	47PF	5%	50V
C2033	1-164-159-11	CERAMIC	0.1uF		50V
C2034	1-164-159-11	CERAMIC	0.1uF		50V
C2035	1-126-964-11	ELECT	10uF	20%	50V
C2036	1-104-664-11	ELECT	47uF	20%	16V
C2037	1-164-159-11	CERAMIC	0.1uF		50V
C2038	1-164-159-11	CERAMIC	0.1uF		50V
C2039	1-164-159-11	CERAMIC	0.1uF		50V
C2040	1-126-916-11	ELECT	1000uF	20%	6.3V
C2041	1-126-964-11	ELECT	10uF	20%	50V
C2042	1-126-964-11	ELECT	10uF	20%	50V
C2043	1-164-159-11	CERAMIC	0.1uF		50V
C2044	1-164-159-11	CERAMIC	0.1uF		50V
C2045	1-164-159-11	CERAMIC	0.1uF		50V
C2046	1-126-960-11	ELECT	1uF	20%	50V
C2047	1-126-964-11	ELECT	10uF	20%	50V
C2048	1-164-159-11	CERAMIC	0.1uF		50V
C2049	1-104-664-11	ELECT	47uF	20%	16V
C2050	1-126-916-11	ELECT	1000uF	20%	6.3V
C2051	1-126-964-11	ELECT	10uF	20%	50V
C2052	1-164-159-11	CERAMIC	0.1uF		50V
C2053	1-127-861-11	CERAMIC	2200PF	10%	50V
C2054	1-126-960-11	ELECT	1uF	20%	50V
C2056	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNP251	1-568-826-11	CONNECTOR, FFC 7P			
CNP252	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P			
CNP253	1-784-921-11	PIN, CONNECTOR 4P			
		< TRIMMER >			
CT2002	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
CT2003	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
		< DIODE >			
D2001	8-719-911-19	DIODE 1SS133T-72			
D2002	8-719-911-19	DIODE 1SS133T-72			
D2003	8-719-911-19	DIODE 1SS133T-72			
D2004	8-719-911-19	DIODE 1SS133T-72			
D2005	8-719-911-19	DIODE 1SS133T-72			
		< FERRITE BEAD/FILTER >			
FB2001	1-416-300-21	FILTER, NOISE			
FB2002	1-416-300-21	FILTER, NOISE			
FB2003	1-412-911-21	INDUCTOR, FERRITE BEAD			
FI2002	1-424-543-11	FILTER, NOISE			
		< IC >			
IC2001	8-759-917-18	IC TC74HCU04AP			
IC2002	8-759-666-34	IC BA7622			
IC2004	8-759-647-08	IC MB90089PF-234-ER			
IC2005	8-759-529-20	IC NJM2296D			
IC2006	8-759-822-05	IC LA7213			
IC2008	8-759-822-05	IC LA7213			
		< JACK >			
J2001	1-774-227-11	JACK, PIN 1P (MONITOR)			
J2002	1-770-337-11	JACK, PIN 3P (VIDEO 2)			
J2003	1-770-337-11	JACK, PIN 3P (TV/SAT, DVD/LD)			
J2004	1-563-330-11	JACK (CONTROL A1Ⅱ)			
		< COIL >			
L2001	1-410-973-11	INDUCTOR	22uH		
		< TRANSISTOR >			
Q2001	8-729-119-79	TRANSISTOR	2SC2785TP-FEK		
Q2002	8-729-119-79	TRANSISTOR	2SC2785TP-FEK		
		< RESISTOR >			
R2001	1-249-417-11	CARBON	1K	5%	1/4W
R2002	1-247-804-11	CARBON	75	5%	1/4W
R2003	1-249-417-11	CARBON	1K	5%	1/4W
R2005	1-247-903-00	CARBON	1M	5%	1/4W
R2006	1-249-417-11	CARBON	1K	5%	1/4W
R2007	1-249-425-11	CARBON	4.7K	5%	1/4W
R2008	1-247-804-11	CARBON	75	5%	1/4W
R2009	1-247-804-11	CARBON	75	5%	1/4W
R2010	1-247-804-11	CARBON	75	5%	1/4W
R2011	1-247-804-11	CARBON	75	5%	1/4W
R2012	1-249-437-11	CARBON	47K	5%	1/4W
R2013	1-247-804-11	CARBON	75	5%	1/4W
R2014	1-247-804-11	CARBON	75	5%	1/4W
R2015	1-249-437-11	CARBON	47K	5%	1/4W
R2016	1-249-437-11	CARBON	47K	5%	1/4W
R2017	1-249-424-11	CARBON	3.9K	5%	1/4W
R2018	1-249-418-11	CARBON	1.2K	5%	1/4W
R2019	1-249-437-11	CARBON	47K	5%	1/4W
R2020	1-249-411-11	CARBON	330	5%	1/4W
R2022	1-247-804-11	CARBON	75	5%	1/4W
R2023	1-247-883-00	CARBON	150K	5%	1/4W
R2024	1-249-411-11	CARBON	330	5%	1/4W
R2025	1-249-421-11	CARBON	2.2K	5%	1/4W
R2027	1-247-807-31	CARBON	100	5%	1/4W
R2028	1-247-883-00	CARBON	150K	5%	1/4W
R2029	1-249-411-11	CARBON	330	5%	1/4W
R2030	1-249-393-11	CARBON	10	5%	1/4W
R2031	1-249-393-11	CARBON	10	5%	1/4W
R2032	1-249-393-11	CARBON	10	5%	1/4W
R2034	1-249-417-11	CARBON	1K	5%	1/4W
R2037	1-247-807-31	CARBON	100	5%	1/4W

Ref. No.	Part No.	Description				Remark
		< VIBRATOR >				
X2002	1-781-821-21	VIBRATOR, CRYSTAL (14MHz)				
**********						
	1-677-042-11	OSD JOINT (H) BOARD (DE945)				
		**********				
		< CONNECTOR >				
CNP211	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P				
CNP212	1-695-096-11	SOCKET, CONNECTOR 15P				
**********						
	1-676-999-11	POWER BOARD				
		**********				
		< DIODE >				
D120	8-719-016-74	DIODE 1SS352-TPH3				
D121	8-719-016-74	DIODE 1SS352-TPH3				
		< SWITCH >				
S101	1-762-268-11	SWITCH, ROTARY (SPEAKERS)				
S150	1-771-349-21	SWITCH, KEYBOARD (I/⏻)				
**********						
	1-677-041-11	ROTARY BOARD				
		**********				
		< VARIABLE RESISTOR >				
RV101	1-418-817-11	ENCODER (ROTARY) (-/+)				
**********						
	1-676-991-11	SP BOARD				
		*********				
		< CAPACITOR >				
CC41	1-128-809-11	CERAMIC	100PF	5%	50V	
CC42	1-128-809-11	CERAMIC	100PF	5%	50V	
CC43	1-128-809-11	CERAMIC	100PF	5%	50V	
CC46	1-128-809-11	CERAMIC	100PF	5%	50V	
CC47	1-128-809-11	CERAMIC	100PF	5%	50V	
CC48	1-128-817-11	CERAMIC	470PF	5%	50V	
						(E, AUS, CH, PX)
CC49	1-128-817-11	CERAMIC	470PF	5%	50V	
						(E, AUS, CH, PX)
CC96	1-128-809-11	CERAMIC	100PF	5%	50V	
CC97	1-128-809-11	CERAMIC	100PF	5%	50V	
CC98	1-128-817-11	CERAMIC	470PF	5%	50V	
						(E, AUS, CH, PX)
CC99	1-128-817-11	CERAMIC	470PF	5%	50V	
						(E, AUS, CH, PX)
		< JACK >				
JJ103	1-774-819-11	JACK, PIN 2P (SUB WOOFER)				
		< COIL >				
L601	1-420-872-00	COIL, AIR-CORE				
L701	1-420-872-00	COIL, AIR-CORE				
L751	1-420-872-00	COIL, AIR-CORE				

Ref. No.	Part No.	Description				Remark
		< RESISTOR >				
⚠R634	1-249-389-11	CARBON	4.7	5%	1/4W F	
⚠R734	1-249-389-11	CARBON	4.7	5%	1/4W F	
⚠R784	1-249-389-11	CARBON	4.7	5%	1/4W F	
RR48	1-249-393-11	CARBON	10	5%	1/4W	
						(E, AUS, CH, PX)
RR49	1-249-393-11	CARBON	10	5%	1/4W	
						(E, AUS, CH, PX)
RR98	1-249-393-11	CARBON	10	5%	1/4W	
						(E, AUS, CH, PX)
RR99	1-249-393-11	CARBON	10	5%	1/4W	
						(E, AUS, CH, PX)
RR251	1-249-417-11	CARBON	1K	5%	1/4W	
		< TERMINAL >				
* TM501	1-694-454-21	TERMINAL BOARD (SP) (FRONT SPEAKERS)				
TM701	1-694-528-11	TERMINAL BOARD (SPEAKER) 6P				
						(REAR/CENTER SPEAKERS)
**********						
	A-4428-783-A	S-VIDEO BOARD, COMPLETE				
						(DE845: US, CND)
	A-4428-817-A	S-VIDEO BOARD, COMPLETE (DE945)				
		**********				
		< CAPACITOR >				
C252	1-136-165-00	MYLAR	0.1uF	5%	50V	
C253	1-126-964-11	ELECT	10uF	20%	50V	
C255	1-136-165-00	MYLAR	0.1uF	5%	50V	
C256	1-126-964-11	ELECT	10uF	20%	50V	
C257	1-136-165-00	MYLAR	0.1uF	5%	50V	
C258	1-126-964-11	ELECT	10uF	20%	50V	
C259	1-126-964-11	ELECT	10uF	20%	50V	
C260	1-136-165-00	MYLAR	0.1uF	5%	50V	
C262	1-164-159-11	CERAMIC	0.1uF		50V	
C263	1-164-159-11	CERAMIC	0.1uF		50V	
C265	1-164-159-11	CERAMIC	0.1uF		50V	
C266	1-164-159-11	CERAMIC	0.1uF		50V	
C267	1-128-805-11	CERAMIC	47PF	5%	50V	
C268	1-128-805-11	CERAMIC	47PF	5%	50V	
C269	1-128-805-11	CERAMIC	47PF	5%	50V	
C270	1-128-805-11	CERAMIC	47PF	5%	50V	
C271	1-104-664-11	ELECT	47uF	20%	16V	
C272	1-128-817-11	CERAMIC	470PF	5%	50V	
C273	1-128-825-11	CERAMIC	2200PF	5%	50V	
C274	1-128-825-11	CERAMIC	2200PF	5%	50V	
C275	1-128-825-11	CERAMIC	2200PF	5%	50V	
C276	1-128-817-11	CERAMIC	470PF	5%	50V	
		< CONNECTOR >				
CNS211	1-695-094-11	SOCKET, CONNECTOR 11P (DE845: US, CND)				
CNS211	1-695-096-11	SOCKET, CONNECTOR 15P (DE945)				
CNS213	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P (DE945)				
CNS215	1-784-776-11	CONNECTOR, FFC 15P				
		< DIODE >				
D204	8-719-911-19	DIODE 1SS133T-72				
D205	8-719-911-19	DIODE 1SS133T-72				

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S-VIDEO | VIDEO | VIDEO 3

Ref. No.	Part No.	Description			Remark
		< IC >			
IC251	8-759-529-20	IC NJM2296D			
IC252	8-759-529-20	IC NJM2296D			
IC253	8-759-666-33	IC NJM2145D			
		< JACK >			
J251	1-537-943-11	TERMINAL, S (MONITER)			
J252	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 1)			
J253	1-764-676-11	CONNECTOR (ROUND TYPE) (TV/SAT, DVD/LD)			
J255	1-563-330-11	JACK (VIDEO 1)			
J256	1-563-330-11	JACK (DVD/LD)			
J257	1-563-330-11	JACK (TV/SAT)			
J258	1-563-330-11	JACK (MONITOR)			
		< TRANSISTOR >			
Q201	8-729-900-80	TRANSISTOR	BA1A4M-TP		
Q202	8-729-422-57	TRANSISTOR	BN1A4M-TP		
		< RESISTOR >			
R209	1-247-804-11	CARBON	75	5%	1/4W
R210	1-247-804-11	CARBON	75	5%	1/4W
R211	1-249-417-11	CARBON	1K	5%	1/4W
R212	1-249-417-11	CARBON	1K	5%	1/4W
R213	1-249-417-11	CARBON	1K	5%	1/4W
R214	1-249-417-11	CARBON	1K	5%	1/4W
R215	1-249-429-11	CARBON	10K	5%	1/4W
R216	1-249-429-11	CARBON	10K	5%	1/4W
R217	1-249-429-11	CARBON	10K	5%	1/4W
R251	1-247-804-11	CARBON	75	5%	1/4W
R252	1-247-804-11	CARBON	75	5%	1/4W
R253	1-247-804-11	CARBON	75	5%	1/4W
R254	1-247-804-11	CARBON	75	5%	1/4W
R255	1-247-804-11	CARBON	75	5%	1/4W
R257	1-247-804-11	CARBON	75	5%	1/4W
R258	1-247-804-11	CARBON	75	5%	1/4W
R259	1-247-804-11	CARBON	75	5%	1/4W
R260	1-247-804-11	CARBON	75	5%	1/4W
R261	1-247-804-11	CARBON	75	5%	1/4W
**********					
	1-676-994-11	VIDEO BOARD (DE845)			
		**********			
		< CAPACITOR >			
C201	1-126-964-11	ELECT	10uF	20%	50V
C202	1-126-964-11	ELECT	10uF	20%	50V
C203	1-126-964-11	ELECT	10uF	20%	50V
C204	1-126-964-11	ELECT	10uF	20%	50V
C205	1-128-805-11	CERAMIC	47PF	5%	50V
C206	1-128-805-11	CERAMIC	47PF	5%	50V
C207	1-128-805-11	CERAMIC	47PF	5%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-164-159-11	CERAMIC	0.1uF		50V
C210	1-164-159-11	CERAMIC	0.1uF		50V
C211	1-164-159-11	CERAMIC	0.1uF		50V
C212	1-164-159-11	CERAMIC	0.1uF		50V
C213	1-104-664-11	ELECT	47uF	20%	16V
C215	1-164-159-11	CERAMIC	0.1uF		50V
C216	1-104-664-11	ELECT	47uF	20%	16V
C217	1-164-159-11	CERAMIC	0.1uF		50V
C218	1-164-159-11	CERAMIC	0.1uF		50V
C219	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNS212	1-695-094-11	SOCKET, CONNECTOR 11			
		< DIODE >			
D201	8-719-911-19	DIODE 1SS133T-72			
D202	8-719-911-19	DIODE 1SS133T-72			
		< IC >			
IC201	8-759-529-20	IC NJM2296D			
		< JACK >			
J201	1-774-227-11	JACK, PIN 1P (MONITOR)			
J202	1-770-337-11	JACK, PIN 3P (VIDEO 2)			
J203	1-770-337-11	JACK, PIN 3P (TV/SAT, DVD/LD)			
J204	1-563-330-11	JACK (CONTROL A1II)			
		< RESISTOR >			
R201	1-247-804-11	CARBON	75	5%	1/4W
R202	1-247-804-11	CARBON	75	5%	1/4W
R203	1-247-804-11	CARBON	75	5%	1/4W
R204	1-247-804-11	CARBON	75	5%	1/4W
R205	1-247-804-11	CARBON	75	5%	1/4W
R206	1-247-804-11	CARBON	75	5%	1/4W
R207	1-247-804-11	CARBON	75	5%	1/4W
R208	1-247-804-11	CARBON	75	5%	1/4W
**********					
	1-677-003-11	VIDEO 3 BOARD (DE945)			
		**********			
		< CAPACITOR >			
C299	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C892	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C893	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
		< CONNECTOR >			
CNP307	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
		< TERMINAL >			
* EB201	1-537-738-21	TERMINAL, EARTH			
		< JACK >			
J299	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 3 INPUT)			
		< RESISTOR >			
R321	1-216-049-11	RES-CHIP	1K	5%	1/10W
R371	1-216-049-11	RES-CHIP	1K	5%	1/10W
**********					

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Ref. No.	Part No.	Description	Remark
	1-677-004-11	V. SWITCH BOARD (E, PX)	
		**********	
	1-533-217-31	HOLDER, FUSE	
		< CONNECTOR >	
CNV903	1-568-106-11	PIN, CONNECTOR 4P	
		< FUSE >	
⚠F904	1-532-504-51	FUSE T4AL 250V	
		< SWITCH >	
⚠VS901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)	
**********			
	1-677-001-11	VOL BOARD	
		**********	
		< CONNECTOR >	
CNP101	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P	
CNS111	1-784-784-11	CONNECTOR, FFC 23P	
		< LEAD >	
* CP101	1-690-880-31	LEAD (WITH CONNECTOR)	
		< VARIABLE RESISTOR >	
RV401	1-225-446-12	RES, VAR, CARBON 100K/100KX5 (MASTER VOLUME)	
**********			
		MISCELLANEOUS	
		**********	
5	1-773-054-11	WIRE (FLAT TYPE) (17 CORE) (E, AUS, CH, PX)	
5	1-773-160-11	WIRE (FLAT TYPE) (21 CORE) (US, CND)	
7	1-769-888-11	WIRE (FLAT TYPE) (7 CORE) (DE945)	
* 9	1-690-880-31	LEAD (WITH CONNECTOR)	
55	1-773-150-11	WIRE (FLAT TYPE) (21 CORE)	
⚠57	1-696-847-11	CORD, POWER (AUS)	
⚠57	1-769-743-11	CORD, POWER (CND)	
⚠57	1-769-744-11	CORD, POWER (E, PX)	
⚠57	1-782-464-21	CORD, POWER (CH)	
⚠57	1-783-820-11	CORD, POWER (US)	
⚠61	1-569-008-21	ADAPTOR, CONVERSION 2P (E, PX)	
62	1-773-004-11	WIRE (FLAT TYPE) (15 CORE)	
64	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
117	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
* 120	1-537-738-21	TERMINAL, EARTH	
Q506	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q506	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q507	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q507	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q556	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q556	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q557	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q557	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q606	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q606	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q607	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q607	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q706	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q706	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q707	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q707	8-749-010-25	IC MN2488-OPY-M (DE845)	
Q756	8-729-051-93	TRANSISTOR 2SB1647 (DE945)	
Q756	8-749-010-26	IC MP1620-OPY-M (DE845)	
Q757	8-729-051-92	TRANSISTOR 2SD2560 (DE945)	
Q757	8-749-010-25	IC MN2488-OPY-M (DE845)	
⚠T901	1-435-428-11	TRANSFORMER, POWER (E, PX)	
⚠T901	1-435-429-11	TRANSFORMER, POWER (AUS)	
⚠T901	1-435-430-11	TRANSFORMER, POWER (US)	
⚠T901	1-435-431-11	TRANSFORMER, POWER (CND)	
⚠T901	1-435-432-11	TRANSFORMER, POWER (MY, SP, CH)	
TM301	1-693-407-23	TUNER (DE845: US, CND, E/DE945)	
TM301	1-693-409-23	TUNER (MY, SP, AUS, CH)	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-418-866-11	REMOTE COMMANDER RM-LJ304 (DE945)	
	1-418-875-11	REMOTE COMMANDER RM-LP204 (DE845)	
	4-210-990-01	LID, BATTERY CASE	
	1-501-594-11	ANTENNA (FM) (DE845: US, MY, SP, AUS, CH)	
	1-501-721-11	ANTENNA (LOOP)	
⚠	1-776-258-11	CORD, AVC CONNECTION (DE845: CND/945)	
⚠	1-777-172-11	CORD, CONNECTION (DE845: CND/DE945)	
⚠	1-777-560-11	CORD, CONNECTION (DE845: CND/DE945)	
⚠	1-793-184-21	CONNECTOR (F TYPE ADAPTOR) (DE845: CND, E/DE945)	
	3-866-670-11	MANUAL, COMMONNESS INSTRUCTION (ENGLISH) (DE845: US, AUS/DE945: US)	
	3-866-670-21	MANUAL, COMMONNESS INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH, DUTCH, PORTUGUESE, SWEDISH, ITALIAN, CHINESE) (DE845: CND, E/DE945: CND)	
	3-866-670-41	MANUAL, COMMONNESS INSTRUCTION (ENGLISH, ALABIC, CHINESE) (CH)	
	4-227-952-11	MANUAL, INSTRUCTION (ENGLISH) (DE945)	
	4-227-952-21	MANUAL, INSTRUCTION (FRENCH, SPANISH) (DE945: CND)	
	4-227-953-11	MANUAL, INSTRUCTION (ENGLISH) (DE845)	
	4-227-953-21	MANUAL, INSTRUCTION (FRENCH, SPANISH) (DE845: CND, E)	
	4-227-953-31	MANUAL, INSTRUCTION (CHINESE) (E, CH)	
	4-229-126-11	MANUAL, INSTRUCTION (ENGLISH) (DE845: US, CND, E, AUS, CH/DE945)	
	4-229-126-21	MANUAL, INSTRUCTION (FRENCH) (DE845: CND, E/DE945: CND)	
	4-229-126-31	MANUAL, INSTRUCTION (SPANISH, ITALIAN) (E)	
	4-229-126-41	MANUAL, INSTRUCTION (CHINESE) (CH)	
**********			

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Ref. No.	Part No.	Description	Remark
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-881-09	SCREW +BVTT 4X8 (S)	
#3	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
#4	7-685-872-09	SCREW +BVTT 3X8 (S)	

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Home Audio Division Company

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